2013

HOME CONTROL AND ENTERTAINMENT PRODUCTS

ELAN®

"ELAN g! is great because the consumer can expand the system as their needs and wants change. It's easy to sell, easy to demo, and easy to install and maintain, which limits or eliminates service calls."

Jay Vandermyde
J.J. Vanderson & Co.
Minneapolis MN
www.jjvanderson.com

YOUR WORLD MADE SIMPLE

"ELAN g!'s price point and ability to duplicate installations are making media integration and distribution more available for the mass market, and it's the same with automation. You can control everything right from your PC, iPhone or iPad. With ELAN g!,automation has never been easier, or as affordable."

Craig Curran
Smart Systems Technologies, Inc.
Irvine CA
www.sstsun.com

elanhomesystems.com

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When you see this symbol, the product is available in either PAL, 230VAC or 240VAC Versions.

All information contained in this catalog is deemed reliable but is subject to change without notice.

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CONTROLLERS & SOURCES

Pre-Amp Multi-Room Controllers

S86P

Communications

C2

DOORSTATIONS

Integrated Multi-Room Controllers

S86A

M86A

S1616A

Tuners

DT11

DT22

System Controllers

HC12

HC6

HC8 and HC4

AMPLIFIERS

Digital

S1616A

D12

Analog

A12

A6

A2

LIGHTING CONTROL

Controllers

Dimmers, Switches & Modules

Lighting Kits

Installation Devices

GENERAL PRODUCTS

Precision Panels & Wall Plates

Power Supplies

Sensors

> **“Focused and flexible and designed to meet your needs.”** – *Paul Starkey*

ELAN®

USER INTERFACES

Touch Screens

TS10

TS7

VL10

Touchpads

TS2L

VL2

Handheld Remote

HR2

g!®

Macs, PCs, iOS/Android devices and TVs can all be user interfaces with a g! system.

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THE NINE APPS OF g!®

g! creates simplicity out of chaos. Think of it as the universal remote control for your entire home. One location and nine applications that share similar graphics and operating conventions. Each application gives you access to everything you need and omits everything you don't while providing easy, obvious operation.

HOME

- One touch, multi-system control for your home
- Arm the security system
- View the front door camera
- Control the lights
- Check the weather

MEDIA

- One touch entertainment system control
- Convenient access to music and movies
- Brilliant cover art and alphabetical list views
- Rhapsody, Pandora and other internet music
- Control music in other rooms
- Easily create playlists of your favorites

SECURITY

- Replaces unsightly security keypads
- Instantly see if doors or windows are open
- Full event history
- Arm or disarm the system remotely
- Mobile phone alerts

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The Applications of g!®

CLIMATE

- Adjust the temperature in one room or many
- Change settings while on-the-go
- Save energy with scheduling
- Monitor usage with history view
- Perfect for primary and vacation homes

LIGHTING

- Save energy with automatic scheduling
- Control lights back home while you're away
- Astronomical clock changes lighting with the seasons
- Increase your safety by turning on lights as you approach home
- Works seamlessly with ELAN lighting products

IRRIGATION

- Easily schedule your irrigation system
- Automatically adjust for the changing seasons
- Remote access for landscaping services
- Group similar zones together

MESSAGING

- Integrated voice mail, caller ID & call history
- Custom mailboxes and greetings
- Outgoing alerts via phone, text message, or email

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The Applications of g!®

VIDEO

- View who's at the front door
- Monitor the baby's room
- See live and recorded video from anywhere in the world
- Camera features like pan, tilt and zoom
- Perfect for vacation homes

POOL/SPA

- Manage pumps, heaters, covers and water features
- Control both pool and landscaping lights
- Monitor pool "health"
- Custom scheduling to fit your lifestyle
- Conserve energy by automatically controlling solar covers

PHOTOS

- Browse family pictures
- View slideshows on your TV
- Turn any touchscreen into a digital picture frame
- Photo albums supported

YOUR WORLD MADE SIMPLE

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ELAN g! systems are not just for mansions and yachts, although you'll find them there. Because they are customized and personalized, you'll also find them in a single home media room, in a vacation home, or in a modest apartment. Our technology is modular and expandable, so you'll find an ELAN g! system for any living space, in every price range. Here are some examples.

Installations Under $10K* Entertainment in a single room or smaller house.

- Media Room
- Home Control & Remote Monitoring

Installations Under $50K* Whole home entertainment systems for the average house or larger apartment.

- Automated Home Theater
- Whole House System

Installations Under $150K* Whole home entertainment and control systems for larger homes.

- Large Scale Home System

Commercial Installations From a lobby to an office to a boardroom to an auditorium.

- Building Management
- Boardrooms
- Offices
- Hospitality

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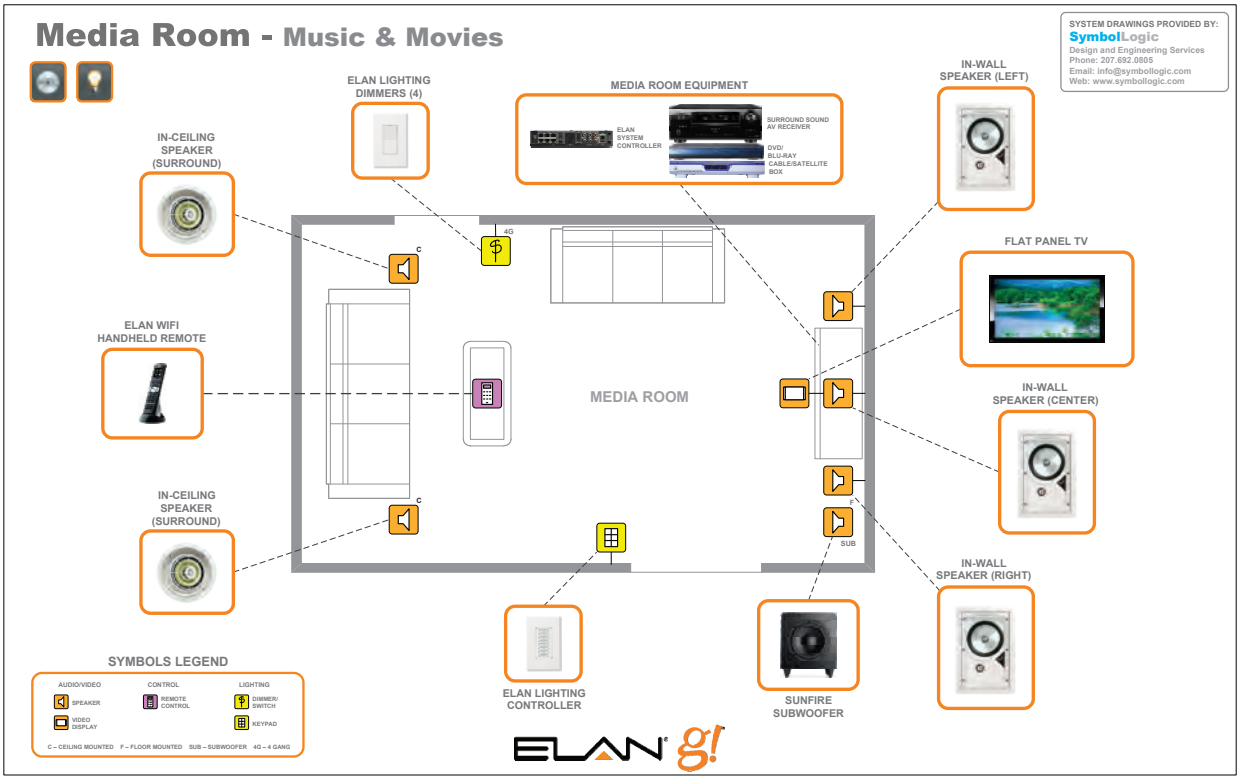
Media Room

ELAN g! puts a world of entertainment at your command. Your customized Media Room revolves around the most elegant and easy-to-use remote available – a remote that gives you the power of dozens of separate remotes. And you control it all with an intuitive touch-screen interface and the familiar hard buttons of a traditional remote. Whether you're watching a game, the latest 3D movie or listening to Pandora, an ELAN g! solution simplifies and enhances your home entertainment experience.



*The system solution profiled here is a representative estimate that includes the specified ELAN equipment and its installation cost. The actual final cost of a system can vary based on the unique requirements of the homeowner, the installation readiness of the home, and the additional third-party manufacturer components selected for the system.

ELAN g! Media Room Features

- 2-way control of your receiver and surround sound system
- One-button management of movies, TV and video games
- Lighting control creates the right ambiance for all media
- DVD or On-demand? g! controls every source

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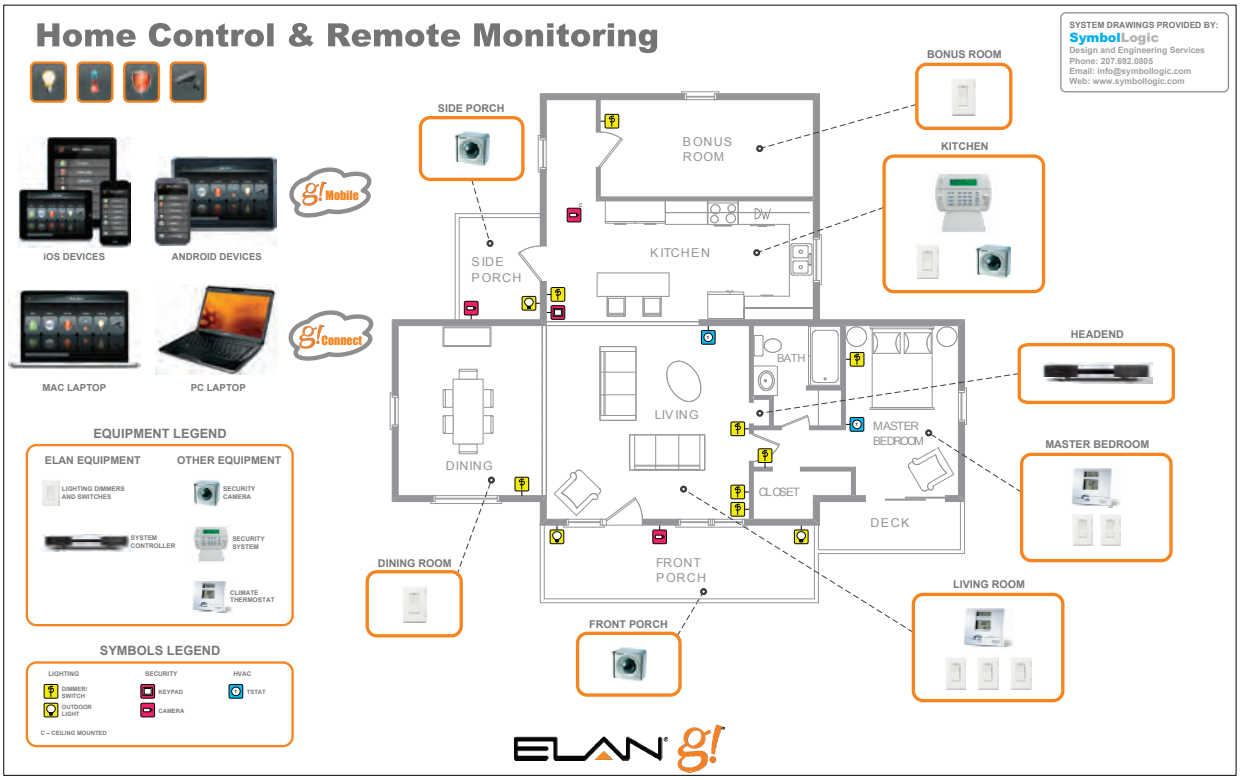
Home Control & Remote Monitoring

With an ELAN g! system, your home or vacation property is never more than a click away. Think of your peace of mind knowing you can remotely check security status, adjust temperature, control key pathway and outdoor lighting and view live video or recorded footage. And if there is a problem – a heating/cooling issue, a water leak, a frozen pipe – your g! system will proactively send an outbound alert to notify you immediately. Do you enjoy that view from your deck? You can have that view anytime you want. And you can make sure your homes are energy-efficient and safe, with ELAN g! Home Control and Remote Monitoring.



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ELAN g! Home Control & Remote Monitoring Features

Your Basic System can include:

- Security Integration
- Thermostat Control
- Lighting Control
- Camera Monitoring
- Remote control from a Mac, PC, iOS or Android Device

For an Advanced System, add:

- Video camera recording
- Natural resource and energy management with irrigation and pool control

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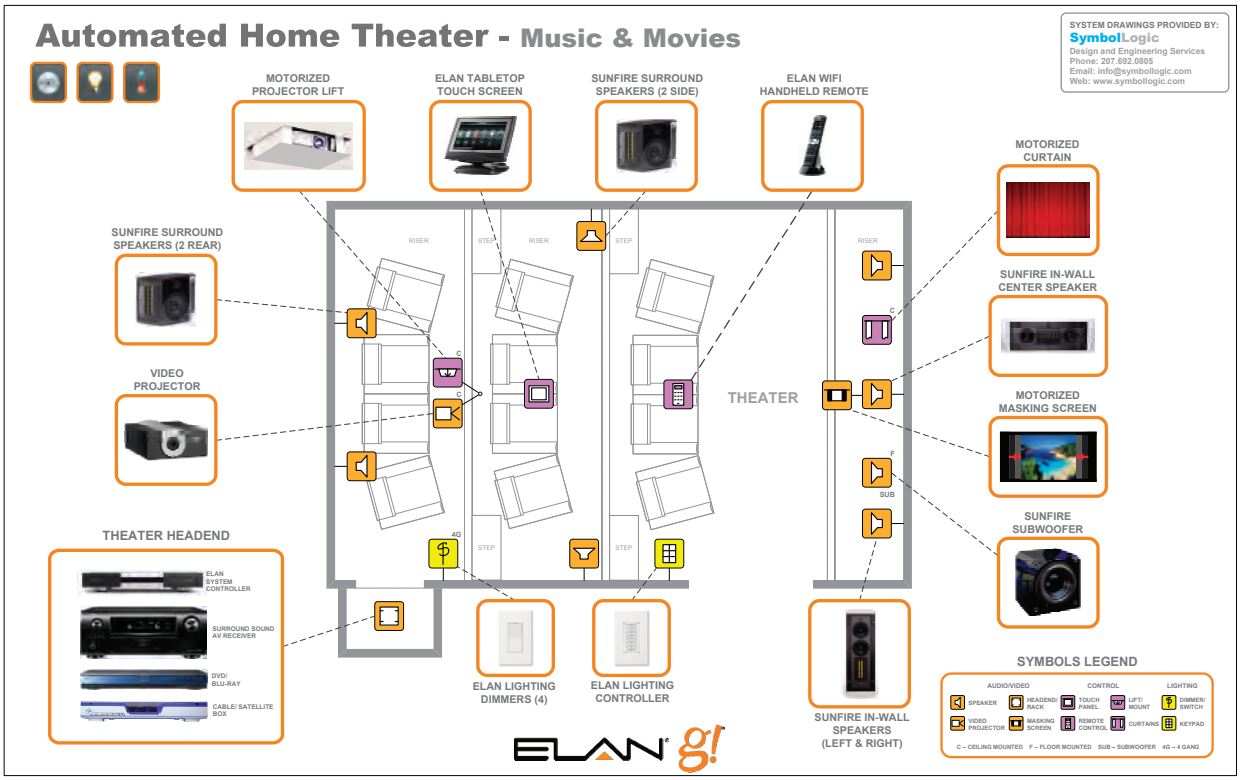
Automated Home Theater

The ELAN g! system can easily expand to control all the additional sources, projectors and motorization found in high-end, dedicated Home Theaters. Enhance your experience with an elegant 10" tabletop control interface for easy set-up and playing movies. Plus, a handheld remote is still your go-to control for quickly adjusting volume, controlling the DVD and other entertainment sources and adjusting lights to create the perfect ambience.



*The system solution profiled here is a representative estimate that includes the specified ELAN equipment and its installation cost. The actual final cost of a system can vary based on the unique requirements of the homeowner, the installation readiness of the home, and the additional third-party manufacturer components selected for the system.

ELAN g! Automated Home Theater Features

- 2-way control of your receiver and surround sound system
- Control motorized screen, projector lifts and curtains
- One button management of movies, TV and video games
- Lighting control creates the right ambiance for all media
- DVD or On-demand? g! controls every source

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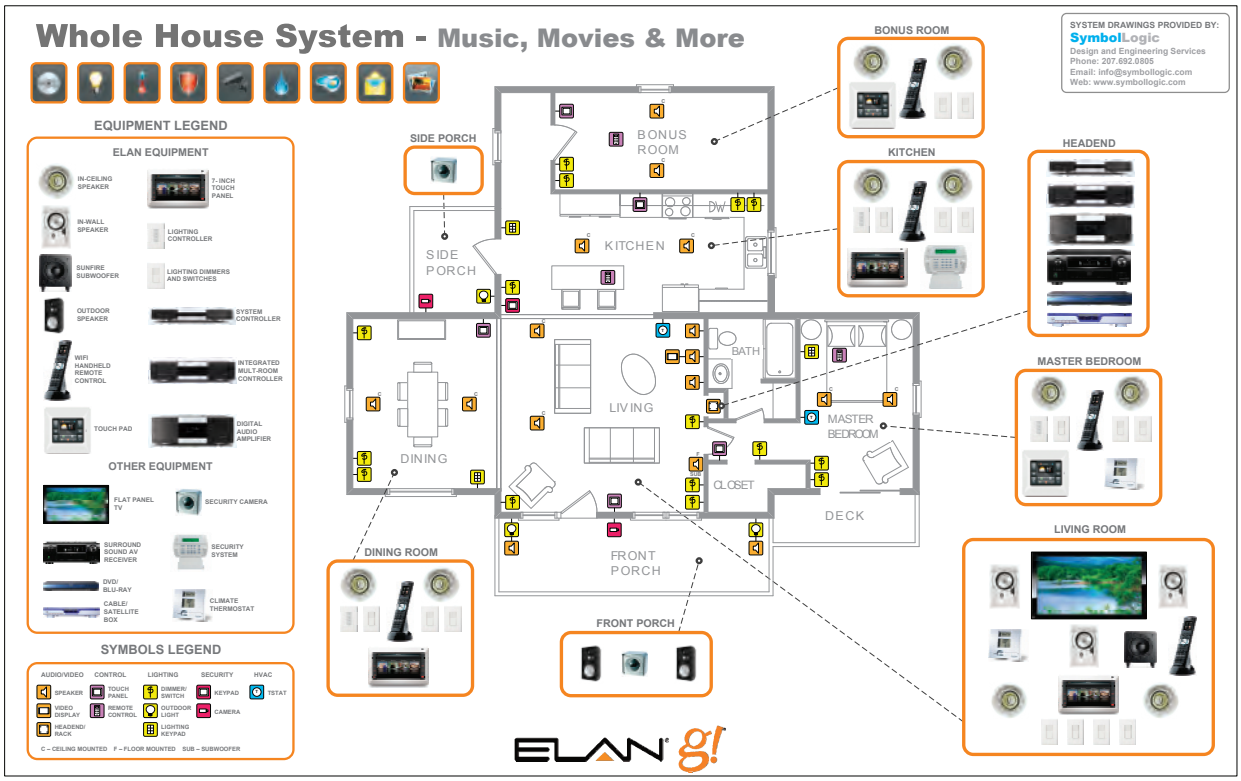
Whole House System

Whole House System Maybe you're building your dream home or remodeling your present home. Maybe you're downsizing and plan to travel more. Whatever your home plans – a 1,500 sq. ft. city pied-a-terre, a 5,000 sq. ft. suburban home, or a 10,000+ sq. ft. estate home – there is an ELAN g! Whole House control system that can help you enhance entertainment, ambience, convenience and security. It's the one vital element that pulls it all together...makes a house the home you always dreamed about...and gives you peace of mind.



*The system solution profiled here is a representative estimate that includes the specified ELAN equipment and its installation cost. The actual final cost of a system can vary based on the unique requirements of the homeowner, the installation readiness of the home, and the additional third-party manufacturer components selected for the system.

ELAN g! Whole House System

- Six or more areas with music
- Control via iPad, iPad mini, Android Tablet, 7" or 10" in-wall touch screen, under-cabinet or tabletop controller or TV screen interface
- Simple and elegant control of all your TVs from a single remote
- Complete home lighting control for ambience, convenience and safety
- Up to 16 video cameras
- Time- and event-based recording automation
- Outdoor control solutions for irrigation, outdoor lighting, pool and spa
- In-home and remote access via Mac, PC, iOS or Android Devices

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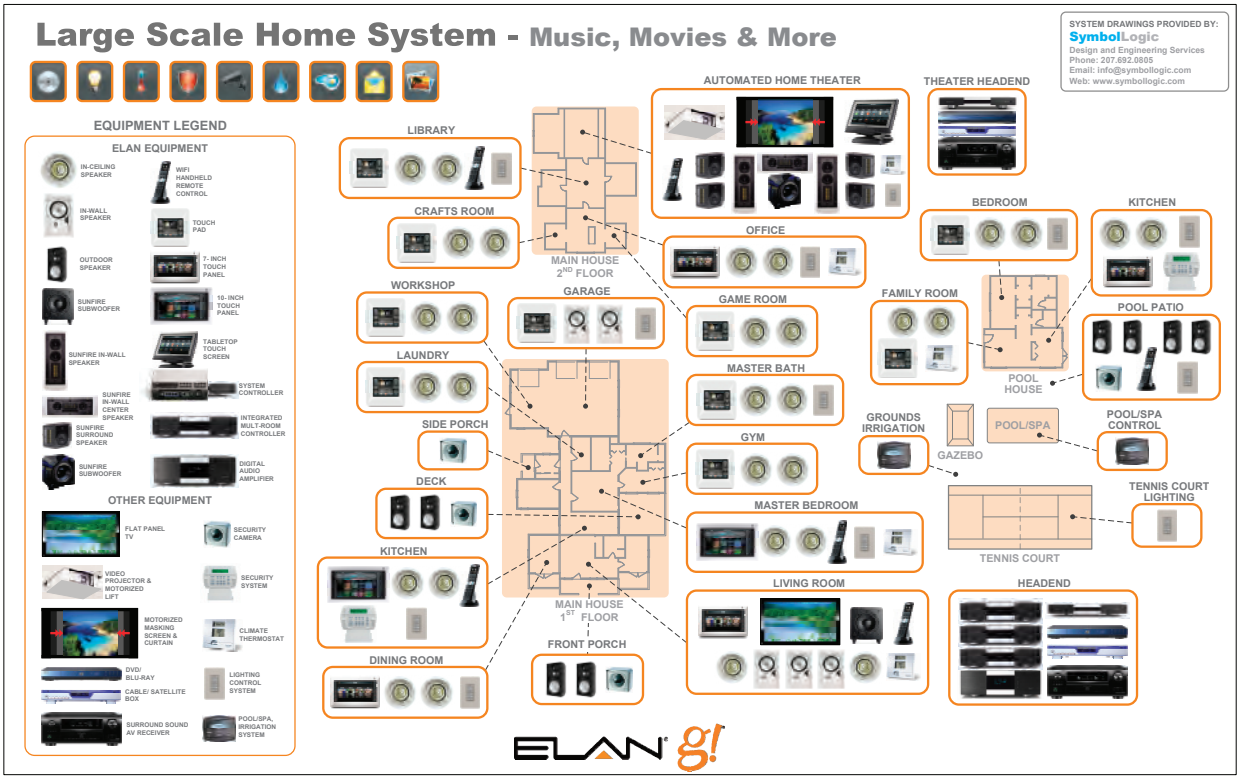
Large Scale Home System

ELAN g! Entertainment and control systems are featured in the fi nest estates in around the world. A g! system can manage multiple buildings on an estate, manage climate in a guest cottage, manage cameras in the horse barn, control irrigation and outdoor lighting. With g! your service providers can have a custom log-in so your grounds team can log into only the irrigation or your Pool maintenance provider can view the pool controls to help manage the chemicals. ELAN g! extends to managing the landscape lighting, outdoor music and lights on the tennis courts and will even show you the camera at the front gate.

Many of our clients with multiple homes appreciate the interaction the ELAN g! system provides. They can view cameras from one home on a screen in another and have events in their vacation home trigger actions in their primary homes.



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ELAN g! Large Scale Home System

- Scalable solutions for large estates with multiple buildings
- Unique large home interface organization to simplify control
- Group system control by floor or wing
- Provide custom log-in so service staff can access only things they manage like irrigation or pool

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User Experience.

The single most important component of any system you install is the user interface. As far as your client is concerned, *it is the system*. With the HR2, TS10, TS7, VL10, and TS2L, along with full iOS and Android support, ELAN has an outstanding user interface that meets all of your clients needs. The g! configuration program allows our interfaces to be programmed with amazing efficiency. With g!'s award-winning graphics and consistency of operation, you can rest assured that your client will enjoy using their system as much as you enjoyed installing it.

User Interfaces

HR2 HANDHELD REMOTE

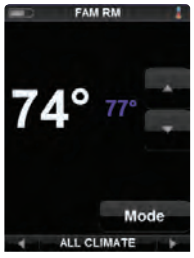
INTERNATIONAL

ORDER NO. HR2

ELAN's first-ever handheld remote control, the HR2, is a striking extension of the intuitive g! control system. It features all the function of a touchscreen packaged in a sleek remote weighing in at a mere 6.4 ounces. Its artistically sculpted, ergonomic design feels at home in your hand with a meticulously balanced grip, always ready to go in its elegant stand. Instant-on means you are never more than nanoseconds away from full use, triggered by a built-in accelerometer that instantly turns on the HR2 when you pick it up. Integrated Wi-Fi and IR ensure access to both rich content information as well as speedy local control of TVs.

The real magic is how g! flawlessly integrates the 2.4" Active Matrix OLED touch display with the hard button array for a perfect blend of feedback and control for fun or serious use. While you effortlessly channel surf, you can also check the status of your security system, lock and unlock doors, dim the lights, and adjust the temperature – without multiple or hard to hold, bulky controllers. Its Lithium Polymer battery powers the remote for ten hours with the display on and 14 days on standby. A stylish charging base is included and keeps the HR2 in a handy upright position – and ready to grab-and-go with minimal storage space.

The HR2 is easily integrated into your installation. It includes 46 hard buttons to make media system operation a breeze, an efficient instant on Wi-Fi transceiver with remarkable range, and outstanding battery life. With innovative features like convenient multi-zone operation, an IR blaster for equipment you can't get an emitter to, home zone defaulting, and interface templates for all of the popular sources the HR2 is the one remote to choose for all of your g! installations. It programs quickly and allows for substantial customization. The HR2 will instantly become your favorite hand held interface.



INSTANT FEEDBACK AND CONTROL OF MUSIC, SECURITY, LIGHTING, AND CLIMATE.

FEATURES

- All the speed, response & graphics of a touchscreen
- All the ease-of-use, simplicity-of-programming & affordability of a remote control
- Controls all AV sources with metadata feedback for supported devices
- Controls security, lighting, and climate with metadata feedback
- 46 backlit hard buttons for common functions found on today's sources
- 2.4" AMOLED display
- Noiseless accelerometer for activating LCD or backlight
- Slim profile for ease of use and comfort
- Uses instant-on 802.11g for communication
- IR blaster for line-of-sight control
- Quick & easy programming using the ELAN Configurator
- Compatible with all g! System Controllers
- Supports all drivers that operate on other g! interfaces
- Ships standard with battery, charging base, power supply, and USB Cable

SPECIFICATIONS

Screen Size . . . . . 2.4" diagonal
Viewing Angle. . . . .180°up/down,180°left/right
Operating Temperature . . 32°F-104°F / 0°C-40°C

OLED Display

Type . . .18 bit, 2.4" Active Matrix Organic LED
Colors 262K
Resolution . . . . . .240 W x 320 H

Connections

Download Port . . . . . .Mini USB
Power Requirements 16VDC/1.87A
Dimensions – Remote (in.) 2-1/4 W x 9-1/8 H x 7/8 D
. . . . . (mm) 57 W x 232 H x 23 D
Dimensions – Cradle (in.) 4 Diameter x 3-13/16 H
. . . . . (mm) 102 W x 97 H
Product Weight 6.4 oz./0.18kg
Charging Cradle Weight. 6.4 oz./0.18kg
Shipping Weight. 2.3 lbs./1.04kg

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TS10 and TS7 Bezel Navigation

1 Zone Off / System Off Press to turn OFF the Zone that the panel is controlling. Press and hold to turn the System OFF.

2 Light Function Press to access your lighting control.

3 Sleep Mode Press to put the touchscreen into Sleep Mode. Press and hold for five seconds to power OFF the panel. When the panel is OFF, pressing this button will turn the panel ON.

4 g! Press to go back to the the Main Menu to access Home Page and **g!** Systems such as Media, Z Security, Climate, Lighting, Cameras, etc.

5 System Information The area displays systems information, such as selected Zone, selected source, volume settings, etc. Information and controls for "sub-systems" such as HVAC and Security also display here.

6 Volume Up Press to turn up the volume in the local Zone.

7 Volume Down Press to turn down the volume in the local Zone.

8 Mute Press to mute or un-mute the volume in the local Zone.

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TS10 10" IN-WALL COLOR TOUCH SCREEN

ORDER NO. TS10

Bigger, brighter and easier to read! ELAN's next generation touchscreen interface, the 10" screen TS10, features a screen that has more than twice the screen surface than our popular 7" screen, is 15% brighter and is, of course, easier to read. The TS10 operates just like a TS7, incorporating finger swipe technology to provide super convenient access to Whole House Management and Entertainment control. Because the TS10 is a member of the g! family, your customer will experience the award-winning consistency of operation that g! is known for.

The TS10 is fundamentally a large TS7. It has all the same capabilities; high resolution 800x480 capacitive sensitive touchscreen (similar to many popular tablets), composite video full-motion viewing, g! user experience and hard buttons for common operations. The extra screen size allows you to use it in ways that you can't use a TS7. When was the last time you could purchase a 10" TV – you know, the ones that fit so well under the cabinet? Now that 10" TV can also display IP cameras and control the whole house! For some clients it is all about the size. The 10" screen gets you into those jobs and provides unparalleled ease of programming.

The TS10 also includes a built-in speaker and microphone – perfect for use with the messaging tab. Speaking of tabs, you get full system access with the TS10. Home, Security, Lighting, Pool, Irrigation, DVR, Climate, and Media controls are all available for control through the TS10. Oh, and think about how Mom's pictures will look playing on the 10" screen – there's a guaranteed upgrade right there.

Consider the TS10, or its desk/under-cabinet sister the VL10, for use in the kitchen, study, beside the master bed, or in the theater. Whatever the application the TS10/VL10 is the perfect upscale choice.

FEATURES

- 10-inch high-resolution Active Matrix LCD display
- Composite video for viewing TV sources or cameras
- 16:9 wide screen format
- Backlit hard buttons for commonly used functions
- Built-in speaker and microphone for messaging features
- Simple IP connectivity for communication
- Non-volatile flash memory
- Quick & easy programming
- Compatible with all ELAN controllers
- Easy retrofit installation
- Optional backbox and preconstruction brackets sold separately
- Screen saver mode displays user's photos
- Frames colors available: almond, light almond, ivory, & black
- Ships standard with white frame

FRAME ORDER NO.	WPTS10a	WPTS10la	WPTS10i	WPTS10b
	Almond	Lt. Almond	Ivory	Black

SPECIFICATIONS

Screen Size . . . 10-inch diagonal, 16:9 widescreen

Viewing Angle . . . 50°up/60°down,65°left/right from center

Operating Temperature . . 32°F-104°F / 0°C-40°C

Display

Type . . . . . Color TFT LCD

Colors 65K

Resolution . . . . . 800W x 480H

Connections

Ethernet Port RJ-45

Download Port . . . . . Mini USB

Power . . . . . 2-position screw terminal

Video IN . . . . . "F" Connector

Video Loop OUT . . . . . "F" Connector

Wiring Requirements . . . . . CAT-5 (Data)
16-18AWG 2 wire, RG-6 or RG-59 Coaxial Cable

Power Requirements . . . . . +16VDC/350mA

Dimensions w/ Wall Frame

. . . . . (in.) 12 W x 7.06 H x 2.60 D
. . . . . (mm) 305 W x 179 H x 66 D

Dimensions w/o Wall Frame

. . . . . (in.)11.62 W x 6.66 H x 2.28 D
. . . . . (in.) 295 W x 169 H x 58 D

Product Weight . . . . . 3.8 lbs./1.72 kg

Shipping Weight . . . . . 5.2 lbs./2.36 kg

ACCESSORIES P. 8

Precision Panels, Wall Plates, Frames & Brackets

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VL10 10" TABLETOP/UNDERCABINET COLOR TOUCH SCREEN

INTERNATIONAL

ORDER NO. VL10

Mounting the VL10 under the cabinet keeps it out of the way and even folds under when not in use.

On a desk in a home office, a tabletop in the home theater, or under a kitchen cabinet – the VL10 provides your customers with complete control of all their home entertainment, lighting, temperature and security systems, and a perfect way to catch up on the latest news and weather, or view security cameras in and around the home.

Slim, sleek and beautifully finished to blend in with almost any décor, the VL10 features more control surface and viewing area than any other touch panel on the market for the price, making it easy to see, use and add to any home system. With its 10-inch widescreen display, the VL10 is ideal for TV viewing when in the kitchen or any room that doesn't have a full-sized TV or where space is at a premium. It also provides your customers with the comfort and security of being able to watch security cameras at the touch of a button.

A precision, ultra-smooth hinge makes for easy adjustment to just the right viewing angle and allows the VL10 to fold completely flat when it's not being used.

FEATURES

- 10-inch color active matrix TFT LCD display
- Ideal for desk, countertop, under cabinet or conference room table
- Folds down flat and out of the way
- 135 degree Back/Front 45-330 degree Left/Right Display Swivel
- Full motion color video capabilities, widescreen, landscape aspect ratio
- Full touch screen capabilities
- Controls all g! compatible audio, video and control systems
- Folds flat when not in use
- Under-cabinet mounting template for easy installation
- Flipable ELAN logo for under-cabinet mounting
- Smooth matte finish with two-tone frame
- Ships with under cabinet mounting bracket, mounting hardware and cable
- Easily personalized with g! configuration tools

SPECIFICATIONS

Screen Size . . . 10-inch diagonal, 16:9 widescreen
Viewing Angle . . . 135° back / 45-330° left/right
Operating Temperature . . 32°F-104°F / 0°C-40°C

Display

Type . . . . . .Color TFT LCD
Colors 65K
Resolution . . . . . 800W x 480H

Connections

Ethernet Port RJ-45
Download Port . . . . . .Mini USB
Power . . . . . 2-position screw terminal
Video IN . . . . . "F" Connector
Video Loop OUT . . . . . "F" Connector

Wiring Requirements . . . . . .CAT-5 (Data)
16-18AWG 2 wire, RG-6 or RG-59 Coaxial Cable
Power Requirements . . . . . .+16VDC/0.4 Amps

Dimensions Extended

. . . . . (in.) 11.0 W x 9.8 H x 7.5 D
. . . . . (mm) 280 W x 249 H x 191 D

Dimensions Folder

. . . . . (in.)11.0 W x 3.5 H x 9.2 D
. . . . . (in.) 280 W x 99 H x 234 D

Product Weight . . . . . 4.5 lbs./2.0 kg

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TS7 7" IN-WALL COLOR TOUCH SCREEN

INTERNATIONAL

ORDER NO. TS7

The award-winning g! interface marries its array of convenient control icons to the latest digital touchscreen technologies for ELAN's powerful touchscreen, the TS7. This elegant user interface means effortless Whole House Management and Entertainment is only a finger-swipe away for everyone in the family. The TS7's finger swipe access is a remarkably easy way to navigate and control even the most sophisticated systems. And the touchscreen's intuitive icons are uniform across all ELAN system controllers so there is never a learning curve – for even the oldest users!

The hardware driving the TS7 delivers great-looking graphics and video as well as top performance for years of enjoyment. The 7-inch, high-resolution 16:9 display uses the same screen technology as many popular tablets, with a resolution of 800 x 480 pixels. There is also composite video capability for viewing live TV sources or security cameras. The screen surface allows for finger-tip control although there is also a handy stylus for writing family notes. Also included are six backlit hard buttons for instant control of zone on/off, volume, mute and lighting.

The TS7's lightning fast response allows effortless access and control of installed Audio, Theater, Security, Climate, Messaging, Lighting, Video, DVR, Irrigation and Pool and Spa subsystems. In addition, the built-in speaker and microphone make family messaging a breeze. But the feature that will put a smile on everyone's face is the screen saver's photo mode. Load your digital photo collection onto the system controller and the TS7 will dazzle all with unexpected slide shows of cherished pictures between uses. Tie it all together with one of five designer frames and the TS7 offers a picture perfect control solution.

FEATURES

- 7-inch high-resolution Active Matrix LCD display
- Composite video for viewing TV sources or cameras
- 16:9 wide screen format
- Backlit hard buttons for commonly used functions
- Built-in speaker and microphone for messaging features
- Simple IP connectivity for communication
- Non-volatile flash memory
- Quick & easy programming
- Compatible with all ELAN controllers
- Easy retrofit installation
- Optional backbox and preconstruction brackets sold separately
- Screen saver mode displays user's photos
- Frames colors available: almond, light almond, ivory, & black
- Ships standard with white frame

FRAME ORDER NO.	WPTS7a	WPTS7la	WPTS7i	WPTS7b
	Almond	Lt. Almond	Ivory	Black

SPECIFICATIONS

Screen Size . . . 7-inch diagonal, 16:9 widescreen

Viewing Angle . . . 50°up/60°down,65°left/right from center

Operating Temperature . . 32°F-104°F / 0°C-40°C

Display

Type . . . . . .Color TFT LCD

Colors 65K

Resolution . . . . . 800W x 480H

Connections

Ethernet Port RJ-45

Download Port . . . . . .Mini USB

Power . . . . . 2-position screw terminal

Video IN . . . . . "F" Connector

Video Loop OUT . . . . . "F" Connector

Wiring Requirements . . . . . .CAT-5 (Data) 16-18AWG 2 wire, RG-6 or RG-59 Coaxial Cable

Power Requirements . . . . . .+16VDC/350mA

Dimensions w/ Wall Frame

. . . . . (in.) 8.59 W x 5.46H x 2.60 D

. . . . . (mm) 218 W x 139 H x 66 D

Dimensions w/o Wall Frame

. . . . . (in.) 8.35 W x 5.16H x 2.28 D

. . . . . (mm) 212 W x 131 H x 58 D

Product Weight . . . . . .2.25 lbs /1.02 kg

Shipping Weight . . . . . 3.2 lbs /1.45 kg

ACCESSORIES P. 8

Precision Panels, Wall Plates, Frames & Brackets

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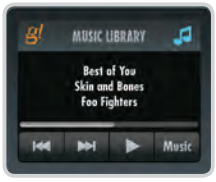
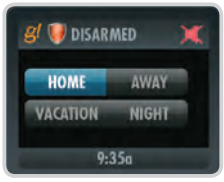
TS2L IN-WALL TOUCHPAD

INTERNATIONAL

ORDER NO. TS2L



Get Now Playing feedback from 2-way sources



Check the status of your security system and change settings

Keep abreast of the current weather and forecast

Across all platforms the g! interface shines with the uniform look and feel that allows easy access and control. The TS2L features all the speed and power of a touchscreen with the affordability of a touchpad. This fully functional interface is family-friendly so that all users are only a touch away from the systems they have permission to use. The TS2L is built around ELAN's category-defining, award-winning Olé® Touchpads. It features all the speed, response and graphics of a touch screen with the ease-of-use, simplicity-of-programming and affordability of a keypad. The panel includes a light sensor for auto screen dimming and brightening and audible touch feedback through the built-in speaker. And it adds even more functionality with unprecedented support for music sources including full navigation and 2-way feedback, control of lighting scenes, climate control, and security arming/disarming. It also displays real-time weather, forecast and time of day, setting a new standard for affordable control with feedback.

Whether on the wall or on a tabletop, the TS2L is easy on the eyes and décor-friendly. Its 2-inch high-resolution, bright, LCD display offers solid contrast and a wide viewing angle as a perfect match for the 3.75-inch backlit touch areas. Users can easily read system displays and clearly see the control area from anywhere in front of the screen. The TS2L ships with a standard white frame with four more colors available. The VL2 quickly converts the TS2L Touchpad from an in-wall to a tabletop controller.

Convert to a tabletop model by ordering the TS2L Conversion Kit

Order No. VL2

FRAME OPTIONS

EURO FRAME

Euro Wall Frame has smooth, rising contours with rounded corners – distinctly European.

FEATURES

- All the speed, response & graphics of a touch screen with the ease-of-use, simplicity-of-programming & affordability of a keypad
- Controls Media, Lighting, Security, and Climate
- Light sensor for auto dimming & brightening
- Audible touch feedback through built-in speaker
- 2.0-inch, 18-bit, 262k color LCD display provides:
  - Expanded "Now Playing" metadata from 2-way sources
  - Multiple pages for easy source selection
  - DVD/DVR menu navigation & more
- Integrated IR receiver
- Connectivity for remote IR receiver
- IR In/Out port on back for quick connection of external IR signals
- Sense Trigger Input (future use)
- Quick & easy programming using configuration software
- Fits in a standard 2-gang box
- Converts to tabletop use by using the VL2 Conversion Kit
- Frames colors available: white, almond, light almond, ivory, & black in Euro Frame style
- Ships standard with white Euro frame

SPECIFICATIONS

Screen Size . . . . . 3-3/4 diagonal
Viewing Angle . . . . 180°up/down, 180°left/right
Operating Temperature . . 32°F-104°F / 0°C-40°C

Display

Type . . . . . 18 bit, 2.0" LCD
Colors 262K
Resolution . . . . . 220 W x 176 H

Connections

System Port RJ-45
Interface Port. . . . . 5-position screw terminal
Download Port . . . . . Mini USB

Wiring Requirements CAT-5
Power Requirements . . . . . 12VDC/150mA or 16VDC/150mA

Dimensions w/ Wall Frame

. . . . . (in.) 4-5/8 W x 4-5/8 H x 1-3/16 D
. . . . . (mm) 117 W x 117 H x 30 D

Dimensions w/o Wall Frame

. . . . . (in.) 4-7/16 W x 4-7/16 H x 1-1/8 D
. . . . . (mm) 112 W x 112 H x 26 D

Fits in 32 cu in. double-gang electrical box
Product Weight 14 oz./0.4kg
Shipping Weight 16 oz./0.45kg

ACCESSORIES P. 8
Precision Panels, Wall Plates, Frames & Brackets

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ACCESSORIES

PPSP POWER SUPPLY PANEL

Use with TS10, TS7

ORDER NO. PPSP

- Supplies power for 3 (with PWR1) or 8 (with PWR4) in-wall panels
- PWR1 or PWR4 sold separately
- Single-gang Decora® design

PPVN VIA!NET DISTRIBUTION WALL PLATE

Use with TS2L

ORDER NO. PPVN

- Provides Power to Four TS2L's
- Provides Connection for IR from Four TS2L's
- Includes 16V Power Supply

PWR1/PWR4 POWER SUPPLIES

ORDER NO. PWR1/PR4

See page 46 for Power Supply specifications.

IRL2 IR LEARNER

Use with ONLY HC Series Controllers

ORDER NO. IRL2

- Connects to USB port
- Compatible with Common Resources Library

Touch Screen / Touchpad Frames, Brackets & Back Boxes

For TS7 Touch Screen

For TS10 Touch Screen

EURO FRAME

For TS2L Models

TS Touch Screen Brackets

ORDER NO. TS7BK For TS7
ORDER NO. TS10BK For TS10

TS Touch Screen Back Boxes

ORDER NO. TS7BB For TS7
ORDER NO. TS10BB For TS10

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Brains and Beauty.

Flexible. Powerful. Efficient. Reliable. All words descriptive of ELAN's controllers and sources. The flexibility to meet the needs of both large and small projects without compromise. The power to control huge projects with impressive signal distribution and valuable sources. Asset efficient programming and maintenance increases profit and rock solid reliable operation makes clients happy.

Controllers & Sources

INTRODUCING THE HC FAMILY OF CONTROLLERS

The revolutionary ELAN g! Series Automation System puts you in complete control of every part of your technology-centric life. Thanks to ELAN g! you are now never more than a finger tap away from managing your primary home, vacation home, and business – no matter where you happen to be! The ELAN g! HC Series System Controllers are the central nervous system of the entire ELAN g! Series. These remarkable, easy-to-use controllers allow you to effortlessly operate your entertainment, lighting, security, energy, and irrigation systems within and outside your home or business.

ELAN g! Series System Controllers provide expanded support for all ELAN AV controllers, display devices, sources, and have built-in digital music and cloud content capability. The ELAN g! On-Screen Display (OSD) controls AV Systems, climate, lighting, security, IP cameras and displays phone call log, email, and photos.

With additional Pro Applications, these System Controllers also support CCTV DVR, irrigation, pool and spa functions – providing enhanced capability for all native applications. Models differ in mounting options, I/O ports and onboard hard drive storage (ideal for media entertainment or surveillance video recording). Use relays to automate projection screens, drapes, gates, garage doors and more. All controllers can utilize a Networked Attached Storage (NAS) drive for the storage of music and photos.

HC12 is the flagship of the HC controller line for rack-mounted entertainment based systems or rack mount security/DVR-centric systems. The HC12 supports nearly unlimited ELAN A/V controllers, A/V Receivers, display devices, sources, and has a built-in two-channel audio server capability. This powerful controller stores and streams two sources digital music out, records IP security cameras, controls AV switches and sources and integrates all home control systems.

HC6 is an entertainment-centric controller that provides all of the same integration as its big sister, the HC12, but without with fewer I/O ports and without the hard drive. Add your own NAS Drive and stream two music sources store DVR video storage. Stream two music sources and add your own NAS drive to store DVR video.

HC8 is the perfect control-centric home controller. The HC8 easily mounts on a wall or a structured wiring can in a basement or closet. The HC8 includes a hard drive for storing content and includes a video out for the on-screen display. Use the HC8 for whole-house can-mounted entertainment and control or second home management and security camera recording. Use the HC8 for control of the entire home/business, or for remote building management with security camera recording.

HC4 is the perfect home or hospitality centric controller. Pair the HC4 with the HR2 for the most powerful remote control available integrating the media experience and home control into one compact and powerful package. The HC4 streams one digital music source and provide the video for an on-screen display.

The HC System Controllers are part of the world's most advanced, easy-to-install user-friendly home automation system – the ELAN g! Series. Compatible for use with third-party systems and components, the ELAN g! Series offers the touchpads, touchscreens, handheld remotes, precision panels, and multi-zone/multi-room controllers you need to integrate every function of your home or business into a single system solution that's as intuitive as you are.

g!®

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HC12 SYSTEM CONTROLLER

INTERNATIONAL

ORDER NO. HC12

HC Series Flagship Model

Also Available in 240VAC Version (HC12240)

The HC12 is the flagship of the HC controller line for rack-mounted entertainment based systems or rack mount security/DVR-centric systems. The HC12 supports nearly unlimited ELAN A/V controllers, display devices, sources, and has a built-in two-channel audio server capability.

This powerful controller stores and streams two sources digital music out, records IP security cameras, controls AV switches and sources and integrates all home control systems. Use the HC12 video-out to drive a power interface on a TV screen.

The HC12 comes pre-loaded with all Base applications. It supports all Pro App's (GPASL) and Viewer Licenses (GVSL). See page 16 for a chart of Base App vs. Pro App capabilities.

The HC12 includes maximum connectivity and control with 12 RS-232 communication ports, an internal hard drive for media and DVR, four relays for automating functions such as drapes, gates and garage doors, and twelve IR outputs (outputs 7-12 require the PPWM Precision Panel).

See page 10 for the full story on g! controllers.

FEATURES

- Compact 1U rack-mount design
- Integrated IP, Serial, infrared control and sense inputs in a one-box design
- Easy plug n' play with TS2 Touchpad, TS7 & TS10 Touch Screens, HR2 Handheld Remote
- Supports iOS & Android device interfaces
- High-res on-screen display (OSD) with included simple clicker, HR2 Handheld Remote or other third party universal remote controls
- Built-in two-output music player with online content
- Built-in 500GB storage for music, photos and security camera video storage
- Compatible with network attached storage (NAS) drives to access photos, music and store security camera video
- Support for two phone lines and eight voicemail boxes with optional USB modems
- On-board relays provide additional automation capabilities
- On-board IR generation and decoding
- Six Sense Inputs for triggering automated events
- Solid State Memory for Operating System (OS) storage increases reliability
- Fan-cooled case increases system reliability
- Rack ears included
- Auto power switching - 120/240VAC

SPECIFICATIONS

Connections

ELAN Sense Inputs (6) 3.5mm Connectors (Stereo)
IR Outputs (1-6) . . 3.5mm Connectors (Mono)
IR Outputs (7-12). . . . . Requires PPWM
External IR Input . . . . . 3.5mm Connector
Programming . . . . . RJ-45 Ethernet Port
Relays (4). . . . . 3-position screw terminals
Modems (2) . . . . . USB
Audio Outputs (2) . . . . . RCA
Video. 720p

Internal Player Audio Output

Frequency Response . . . 20 to 20 KHz +/-1dB
THD+ Noise (@1KHz). . . . . <0.006%
Signal-to-Noise (A Weighted). . . . . >102dB

Video Inputs

Component Video Input . . . .1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm

Video Outputs

Selectable in Config Software. . . 480p - 1080p 50 Hz - 60Hz
Component Video Output . . . .1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm
Video Gain . . . . . .Unity

Hard Drive

Storage Capacity 500GB

General

Operating Temperature . . . . . 32° F to 131° F
Operating Humidity . . . . . 90% Maximum (Non-Condensing)
Power Consumption. . 110-240V, 50-60 Hz – 60W
Relay Rating. . . . . 24V AC/DC, 1 Amp Maximum
3.5mm IR Outputs. 12VDC

Dimensions w/Feet (1U w/o Feet)

. . . . . (in.) 17 W x 2-1/4 H x 14 D
. . . . . (mm) 432 W x 57H x 356D

Product Weight:. . . . . 11 lbs / 5.0 kg
Shipping Weight: . . . . . 17 lbs / 7.75 kg
Certifications . . . . . .cTUVus, CE, FCC, CTIC

ACCESSORIES P. 17

Precision Panels, Wall Plates, IR Learner, & IR Sensors

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HC6 SYSTEM CONTROLLER

INTERNATIONAL

ORDER NO. HC6

Also Available in 240VAC Version (HC6240)

The HC6 was designed for less intensive integration applications than the HC12. It is designed to be located with a central equipment stack and has all of integration control capabilities of the HC12, but with fewer RS232 connections. The HC6 also lacks the internal hard drive of the HC12, but as with all g! controllers, is compatible with Network Attached Storage (NAS) hard drives. NAS drive use also enables DVR video storage. It features two music stream outputs, six RS-232 connections, two RS-485 connections, six sensor connectors, two relays and twelve routed and one common IR outputs. IR outputs 7-12 require a PPWM Precision Panel.

The HC6 is perfect for use in media centric installations where only a couple of other systems are going to be integrated as these installations generally require fewer serial connections. The RS-232 connections are the best way to connect surround receivers and multi-zone controllers. Additionally, many of today's televisions feature serial control inputs. Use the other connections for Climate, Lighting, or Security. If you need more than six IR outputs, attach a PPWM Precision Panel to access six more.

See page 10 for the full story on g! controllers.

FEATURES

- Compact 1U rack-mount design
- Integrated IP, Serial ports, infrared control and sense inputs in a one-box design
- Easy plug n' play with TS2 Touchpad, TS7 & TS10 Touch Screens, HR2 Handheld Remote
- Supports iOS & Android device interfaces
- High-res on-screen display (OSD) with included simple clicker, HR2 Handheld Remote or other third party universal remote controls
- Built-in two-source music player
- Compatible with network attached storage (NAS) drives to access photos, music and store security camera video
- Support for two phone lines and eight voicemail boxes with optional USB modems
- Two on-board relays provide additional automation capabilities
- On-board IR generation and decoding
- Six Sense Inputs for triggering automated events
- Solid State Memory for Operating System (OS) storage increases reliability
- Fan-cooled case increases system reliability
- Rack ears included
- Auto power switching - 120/240VAC

SPECIFICATIONS

Connections

ELAN Sense Inputs (6) 3.5mm Connectors (Stereo)
IR Outputs (6) . . . 3.5mm Connectors (Mono)
External IR Input . . . . . 3.5mm Connector
Programming . . . . . RJ-45 Ethernet Port
Relays (2). . . . . 3-position screw terminals
Modems (2) . . . . . USB
Audio Outputs (2) . . . . . RCA
Video. 720p

Internal Player Audio Output

Frequency Response . . . 20 to 20 KHz +/-1dB
THD+ Noise (@1KHz). . . . . <0.006%
Signal-to-Noise (A Weighted). . . . . >102dB

Video Inputs

Component Video Input . . . . 1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm

Video Outputs

Selectable in Config Software. . . 480p - 1080p 50 Hz - 60Hz
Component Video Output . . . 1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm
Video Gain . . . . . .Unity

General

Operating Temperature . . . . . 32° F to 131° F
Operating Humidity . . . . . 90% Maximum (Non-Condensing)
Power Consumption. . 110-240V, 50-60 Hz – 60W
Relay Rating. . . . . 24V AC/DC, 1 Amp Maximum
3.5mm IR Outputs. 12VDC

Dimensions w/Feet (1U w/o Feet)

. . . . . (in.) 17 W x 2-1/4 H x 14 D
. . . . . (mm) 432 W x 57H x 356D

Product Weight:. . . . . 9 lbs / 4.09 kg
Shipping Weight: . . . . . 15 lbs / 6.82 kg
Certifications . . . . . .cTUVus, CE, FCC, CTIC

ACCESSORIES P. 17

Precision Panels, Wall Plates, IR Learner, & IR Sensors

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HC8 SYSTEM CONTROLLER

ORDER NO. HC8

The HC8 is the integration centric member of the our Controller family. The HC8 is designed to mount on a shelf or fit in standard structured wiring enclosures and connect to any of the systems to which g! integrates, including Media. If your design provides for locating most of the gear in the mechanical room, then this is the controller for your installation. Utilize industry standard 18" and 36" enclosures to ensure you have the space you need to do a professional installation.

The HC8 includes eight RS-232 ports, two RS-485 connections, four sensor connectors, two relays, and three IR outputs. The HC8 also includes a hard drive allowing it to store music and photos and record IP cameras as well as two music stream outputs. The HC8 comes loaded with all Base Apps and is compatible with all Pro Apps (see page 16).

Finally, the HC8 does include connections for the g! OSD, allowing you to connect it to a monitor. Whether you have located the HC8 in a cabinet or if you are doing an centrally distributed component video distribution system, then the HC8 has the connections you need for a complete and professional installation.

See page 10 for the full story on g! controllers.

FEATURES

- Compact can or wall-mount
- Integrated IP, Serial, infrared control and sense inputs in a one-box design
- Easy plug n' play with TS2 Touchpad, TS7 & TS10 Touch Screens, HR2 Handheld Remote
- Supports iOS & Android device interfaces
- High-res on-screen display (OSD) with included simple clicker, HR2 Handheld Remote or other third party universal remote controls
- Built-in dual-output music player with online content
- Built-in 500GB storage for music, photos and security camera video storage
- Compatible with network attached storage (NAS) drives to access photos, music and store security camera video
- Support for two phone lines and eight voicemail boxes with optional USB modems
- Two on-board relays provide additional automation capabilities
- On-board IR generation and decoding
- Four Sense Inputs for triggering automated events
- Solid State Memory for Operating System (OS) storage increases reliability
- Fan-cooled case increases system reliability
- Wall & can mount brackets included
- External Power supply

SPECIFICATIONS

Connections

ELAN Sense Inputs (4) 3.5mm Connectors (Stereo)
IR Outputs (3) . . . 3.5mm Connectors (Mono)
External IR Input . . . . . 3.5mm Connector
Programming . . . . . RJ-45 Ethernet Port
Relays (2). . . . . 3-position screw terminals
Modems (2) . . . . . USB
Audio Outputs (2) . . . . . 3.5m Stereo
Video. 720p

Internal Player Audio Output

Frequency Response . . . 20 to 20 KHz +/-1dB
THD+ Noise (@1KHz). . . . . <0.006%
Signal-to-Noise (A Weighted). . . . . >102dB

Video Intputs

Component Video Input . . . . 1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm

Video Outputs

Selectable in Config Software. . . 480p - 1080p 50 Hz - 60Hz
Component Video Output . . . 1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm
Video Gain . . . . . .Unity

Hard Drive

Storage Capacity 500GB

General

Operating Temperature . . . . . 32° F to 131° F
Operating Humidity . . . . . 90% Maximum (Non-Condensing)
Power Consumption. . 110-240V, 50-60 Hz – 60W
Relay Rating. . . . . 24V AC/DC, 1 Amp Maximum
3.5mm IR Outputs. 12VDC

Dimensions w/Feet (1U w/o Feet)

. . . . . (in.) 12-7/16 W x 1-11/16 H x 9-5/16 D
. . . . . (mm) 316 W x 43H x 237D

Product Weight:. . . . . 7.1 lbs / 3.23 kg
Shipping Weight: . . . . . 12.25 lbs / 5.57 kg
Certifications . . . . . .cTUVus, CE, FCC, CTIC

ACCESSORIES P. 17
Precision Panels, Wall Plates, IR Learner, & IR Sensors

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HC4 SYSTEM CONTROLLER

INTERNATIONAL

ORDER NO. HC4

HC4 is international voltage compatible

The cutest member of the Controller family is the HC4. While he may be cute, this critter is a real animal. Featuring all the Base and Pro App capability of the other controllers, the HC4 is ready to do whatever you need. Do you have an installation that required 125 lighting loads, 8 thermostats, and a kick-butt home theater? The HC4 can handle it. How about a vacation house with a pool controller, an irrigation controller, a security system and thermostats all connected for monitoring and control from anywhere in the world? The HC4 can handle that too! What about the family room with a great media system and simple lighting and the client wants the best hand held remote in the world? Match an HC4 with an HR2 and you've got that client covered.

The HC4 is a cost effective and wholly powerful Controller. It connects to four RS-232 devices, two relay controlled devices, includes two sensor inputs, and has two IR outputs that can be expanded to many more by using the IRD4 IR connecting block. The HC4 also drives our award winning OSD interface and provide one stream of music from the internet and your clients NAS or computer based music. It comes pre-loaded with all Base Apps and is compatible with all Pro Apps (see page 16.)

See page 10 for the full story on g! controllers.

FEATURES

- Compact cabinet, enclosure or wall mount
- Integrated IP, Serial, infrared control and sense inputs in a one-box design
- Easy plug n' play with TS2 Touchpad, TS7 & TS10 Touch Screens, HR2 Handheld Remote
- Supports iOS & Android device interfaces
- High-res on-screen display (OSD) with included simple clicker, HR2 Handheld Remote or other third party universal remote controls
- Easily installs behind TV to add discrete OSD
- Built-in single-output music player with online content
- Compatible with network attached storage (NAS) drives to access photos, music and store security camera video
- Support for one phone line and eight voicemail boxes with optional USB modem
- Two on-board relays provide additional automation capabilities
- On-board IR generation and decoding
- Two Sense Inputs for triggering automated events
- Solid State Memory for Operating System (OS) storage increases reliability
- Fan-cooled case increases system reliability
- Wall & can mount brackets included
- External Power supply

SPECIFICATIONS

Connections

ELAN Sense Inputs (2) 3.5mm Connectors (Stereo)
IR Outputs (2) . . . 3.5mm Connectors (Mono)
External IR Input . . . . . 3.5mm Connector
Programming . . . . . RJ-45 Ethernet Port
Relays (2). . . . . 3-position screw terminals
Modem (1) . . . . . USB
Audio Output. . . . . 3.5mm Connector (Stereo)
Video. 720p

Internal Player Audio Output

Frequency Response . . . 20 to 20 KHz +/-1dB
THD+ Noise (@1KHz). . . . . <0.006%
Signal-to-Noise (A Weighted). . . . . >102dB

Video Inputs

Component Video Input . . . . 1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm

Video Outputs

Selectable in Config Software. . . 480p - 1080p 50 Hz - 60Hz
Component Video Output . . . 1V Peak-to-Peak Nominal
Input Impedance . . . . . 75 Ohm
Video Gain . . . . . .Unity

General

Operating Temperature . . . . . 32° F to 131° F
Operating Humidity . . . . . 90% Maximum (Non-Condensing)
Power Consumption. . 110-240V, 50-60 Hz – 60W
Relay Rating. . . . . 24V AC/DC, 1 Amp Maximum
3.5mm IR Outputs. 12VDC

Dimensions w/Feet (1U w/o Feet)

. . . . . 8-1/4 W x 1-9/16 H x 5 D
. . . . . (mm) 210 W x 40 H x 127 D

Product Weight:. . . . . 2.4 lbs / 1.09 kg

Shipping Weight: . . . . . 4.3 lbs / 1.95 kg

Certifications . . . . . .cTUVus, CE, FCC, CTIC

ACCESSORIES P. 17

Precision Panels, Wall Plates, IR Learner, & IR Sensors and Mounting Bracket

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System Controllers Comparison

	HC4	HC6	HC8	HC12
CONNECTIONS				
ELAN Sense Inputs	(2) 3.5mm Stereo	(6) 3.5mm Stereo	(4) 3.5mm Stereo	(6) 3.5mm Stereo
IR Outputs	(2) 3.5mm Mono	(1-6) 3.5mm Mono (7-12) via PPWM	(3) 3.5mm Mono	(1-6) 3.5mm Mono (7-12) via PPWM
External IR Input	(1) 3.5mm	(1) 3.5mm	(1) 3.5mm	(1) 3.5mm
Programming	RJ-45 Ethernet Port	RJ-45 Ethernet Port	RJ-45 Ethernet Port	RJ-45 Ethernet Port
Relay	(2) 3-postion screw terminals	(2) 3-postion screw terminals	(2) 3-postion screw terminals	(4) 3-postion screw terminals
Modem	(1) USB	(2) USB	(2) USB	(2) USB
Audio Outputs	(1) 3.5mm Stereo	(2) RCA	(2) 3.5mm Stereo	(2) RCA
Serial	(4) RS-232 (1) RS-485	(6) RS-232 (2) RS-485	(8) RS-232 (2) RS-485	(12) RS-232 (2) RS-485
Video	720p	720p	720p	720p
INTERNAL PLAYER AUDIO OUTPUT				
Frequency Response	20 to 20 KHz +/-1dB	20 to 20 KHz +/-1dB	20 to 20 KHz +/-1dB	20 to 20 KHz +/-1dB
THD+ Noise (@1KHz)	<0.006%	<0.006%	<0.006%	<0.006%
Signal-to-Noise (A Weighted)	>102dB	>102dB	>102dB	>102dB
VIDEO INPUTS				
Component Video Output	1V Peak-to-Peak Nominal	1V Peak-to-Peak Nominal	1V Peak-to-Peak Nominal	1V Peak-to-Peak Nominal
Input Impedance	75 Ohm	75 Ohm	75 Ohm	75 Ohm
Video Gain	Unity	Unity	Unity	Unity
HARD DRIVE STORAGE				
	N/A	N/A	500GB	500GB
GENERAL				
Operating Temperature	32° F to 131° F	32° F to 131° F	32° F to 131° F	32° F to 131° F
Operating Humidity	90% Maximum (Non-Condensing)	90% Maximum (Non-Condensing)	90% Maximum (Non-Condensing)	90% Maximum (Non-Condensing)
Power Consumption	110-240V, 50-60 Hz – 60W	110-240V, 50-60 Hz – 60W	110-240V, 50-60 Hz – 60W	110-240V, 50-60 Hz – 60W
Relay Rating	24V AC/DC, 1 Amp Max	24V AC/DC, 1 Amp Max	24V AC/DC, 1 Amp Max	24V AC/DC, 1 Amp Max
3.5mm IR Outputs	12VDC	12VDC	12VDC	12VDC
SIZE & WEIGHT				
Dimensions w/ Feet	(in.) 8-1/4 W x 1-9/16H x 5D (mm) 210W x 40H x 127D	(in.) 17W x 2-1/4H x 14D (mm) 432W x 57H x 356D	(in.) 12-7/16W x 1-11/16H x 9-5/16D (mm) 316W x 43H x 237D	(in.) 17W x 2-1/4H x 14D (mm) 432W x 57H x 356D
Product Weight	2.4 lbs / 1.09 kg	9 lbs / 4.09 kg	7.1 lbs / 3.23 kg	11 lbs / 5.0 kg
Shipping Weight	4.3 lbs / 1.95 kg	15 lbs / 6.82 kg	12.25 lbs / 5.57 kg	17 lbs / 7.75 kg

Certifications: cTUVus, CE, FCC, CTIC

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g! SOFTWARE For HC Controllers only.

GPASL g!Pro App Software License and Activation Key
g! ONLY BY ELAN
MODEL GPASL
PRODUCT KEY
THANK YOU FOR PURCHASING A LICESNE FOR THE g!PRO APP.
Use the included Product Key with the g!Connect software to activate your license.
For more detailed information, please visit the Dealer section of ELAN's website at elanhomesystems.com/dealer or call ELAN Technical Support at 1-800-622-3526.
ELAN strongly recommends that you retain this product activation key for future reference.
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GPASL g!PRO APPLICATION SOFTWARE LICENSE

ORDER NO. GPASL

The g! Pro App Software License allows the Pro App functionality for one App on an HC series controller to be unlocked. One Pro App is needed for each App that you want to upgrade to Pro App functionality. You can activate this license remotely or while on site.

GVSL g!Viewer Software License and Activation Key
g! ONLY BY ELAN
MODEL GVSL
PRODUCT KEY
THANK YOU FOR PURCHASING A LICENSE FOR THE g!VIEWER.
Use the included Product Key with the g!Connect software to activate your license.
For more detailed information, please visit the Dealer section of ELAN's website at elanhomesystems.com/dealer or call ELAN Technical Support at 1-800-622-3526.
ELAN strongly recommends that you retain this product activation key for future reference.
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GVSL g!VIEWER SOFTWARE LICENSE

ORDER NO. GVSL

The g! Viewer Software License provides one seat to be installed on any HC Controller. One Viewer License is required for every third party interface connected to a g! System at the same time; this includes iOS/Android devices and a computer. The GVSL is easy to install and can be added to a system by the dealer over the internet or while on site.

It's About the APPS.

All g! Home Controllers come pre-loaded with Base Apps. Base Apps can be upgraded on an individual basis according to the need of your project by purchasing a GPASL. The g! Pro App licenses are "generic" in that they can be used to upgrade any Base App to Pro App level functionality. This chart compares the functionality of the Base Apps and the Pro Apps."

Application	Base Functionality (Included w/ Controller)	Added w/ Pro App
Media	64 ELAN audio zones & 32 ELAN video zones Up to 8 Sunfire A/V Receiver Zones • Up to 40 display devides • 1 A/V Receiver (any Brand) Up to 30 sources	Up to 32 A/V Zones (any Brand) • Up to 8 AV Receiver Zones (any Brand)
Climate	2 Thermostats	Up to 32 Thermostats
Lighting	16 Loads or System Scenes • Up to 32 g! Viewer Keypads • Up to 32 g! Viewer Scenes History using Graph Object	Up to 255 Loads or System Scenes • Up to 64 Viewer Keypad/Pages
Security	1 Partition 8 Zones • 1 wireless door lock	8 Partitions 256 Zones • 16 wireless door locks
Door Locks	1 Door Lock	16 Door Locks
IP Camera	2 IP Video Streams	16 IP Video Streams
DVR	Not Available	Records all Cameras
Messaging	1 House Voicemail Box Internal Voicemail (not telephone) • email notifications	8 User Voicemail Boxes Internal and Telephone Voicemail Remote Message Retrieval Remote House Control Text-To-Speech
Irrigation	16 Groups (Virtual, for Demo Only) 256 Zones (Virtual, for Demo Only)	16 Groups 256 Zones
Pool/Spa	Virtual (For Demo Only)	1 Pool Control System
Other	Generic Serial Devices IR Devices Input/Output Devices Up to 8 E-Mail accounts UPS	

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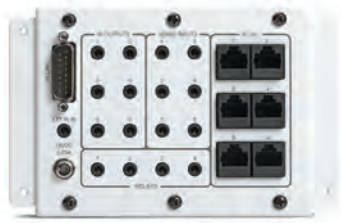
ACCESSORIES FOR g! CONTROLLERS

PPWM HEAD-END I/O PRECISION PANEL

Use with all HC Series Controllers

ORDER NO. PPWM



- Required when using PPIR or PPRM
- Used to access HC6/12 IR outputs 7-12
- Must use PF2 Mounting Frame

PF2 PRECISION PANEL FRAME

Use with PPWM

ORDER NO. PF2

- For more information **see page 45**

GMOD USB TO DIALTONE MODEM

ORDER NO. GMOD

USB phone modem to enable modem features on an HC Controller. Use up to two per controller.

PPVN VIA!NET DISTRIBUTION WALL PLATE

Use with TS2L

ORDER NO. PPVN

- Provides Power to Four TS2L's
- Provides Connection for IR from Four TS2L's
- Includes 16V Power Supply

PPIR ROOM IR TERMINATION WALL PLATE

Use with all HC Series Controllers

ORDER NO. PPIR

- IR sensor connection point
- Serial or Ethernet pass-through
- 2 Cat-5e required for IR sensor and RS-232/Ethernet use
- Single-gang Decora® design

PPRM ROOM IR OUT/SENSE RELAY WALL PLATE

Use with all HC Series Controllers

ORDER NO. PPRM

- Connection point to distributor IR, sensor, relay, and serial or network
- Requires 2 Cat-5e to utilize all capabilities
- Easiest way to get connections from PPWM
- Single-gang Decora® design

IRL2 IR Learner

Use with ONLY HC Series Controllers

ORDER NO. IRL2

- Connects to USB port
- Compatible w/ Common Resources Library

SENSORS

ELAN's complete line of status sensors **(page 44)** are compatible with the HC series of controllers and can be used for creating Event Maps and both complex and simple automation schemes.

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S1616A MULTI-SOURCE MULTI-ZONE CONTROLLER / AMPLIFIER

INTERNATIONAL

ORDER NO. S1616A

Also Available in 240VAC Version (D16240)

The ELAN S1616A amplifier/controller – a new class of multi-zone, multi-source capability.

Built upon the foundation of ELAN's legendary D16 digital power amplifier, the S1616A offers unprecedented flexibility and value.

The S1616A is available in two configurations – Single Chassis and Dual Chassis. In Single Chassis mode the S1616A supports 8 stereo or 16 mono inputs, or combinations thereof. Output options for Single Chassis provide for connection of up to 256 speakers in virtually any configuration. Dual Chassis configurations support 16 stereo inputs and up to 128 pairs of outputs. Both configurations support up to 64 unique zones. As a multi-zone/multi-source amplified controller it has no equal.

The S1616A is your go-to choice for superior music performance. Rated at 50 watts per channel into 8 ohms and 75 watts per channel into 4 ohms, the S1616A has the capacity to drive your speakers to high output levels with clear beautiful sound. Coupled with a wide variation in input and output configuration, the S1616A is perfectly suited for both residential and commercial projects.

The S1616A includes user enhancements to make operating the music system in any environment a real joy. In addition to Whole House Music, which allows the entire system to listen to the same source, it introduces Zone Grouping and House Scenes. Zone Grouping allows common areas, like the master suite or a dining area, to be easily joined. House Scenes memorize the status and settings for all zones (at the end users direction) and allow them to be recalled with the press of a single button. For the end user, especially one in a large project, using the S1616A is simple and convenient.

The S1616A provides an abundance of controls to tailor the sound perfectly to each zone's unique acoustic environment. Bass, treble and loudness are available per zone. Each output may be configured as left, right or summed mono. Each output also features high and low pass filtering, allowing high performance sub/sat speaker arrangements without additional electronics.

The S1616A is fully compatible with the ELAN C2 communications controller allowing house wide paging and door chime announcement. The advanced g! programming and operating environment make the S1616A easy to configure and easy to use. While other systems require complex programming, g! requires only minutes.

In Multi-Zone or Amplifier Mode, the S1616A is a powerful option that provides you with configuration options like no other product. Learn more by downloading the S1616A Designers Guide.

Continued next page . . .

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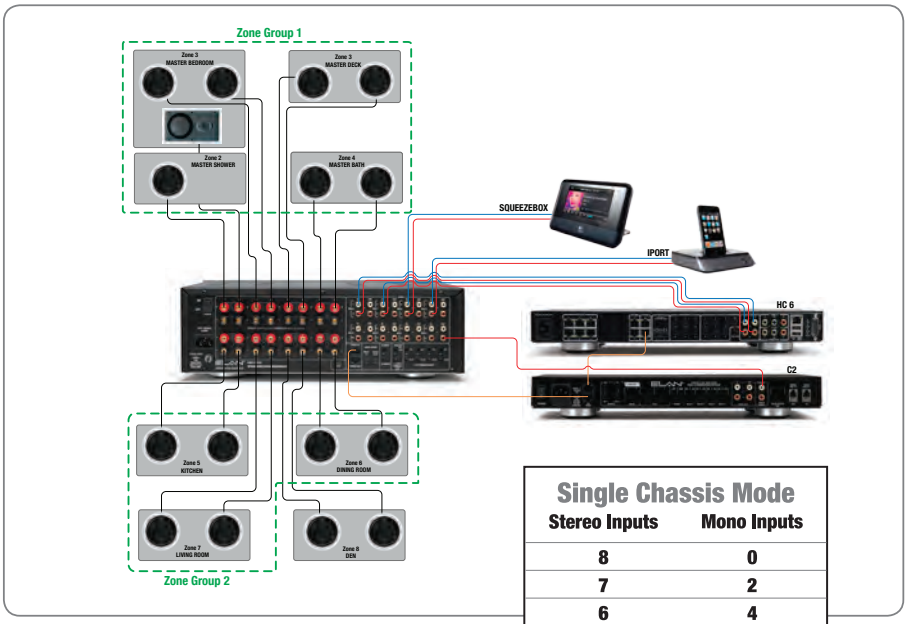
S1616A CONTINUED

FEATURES

- Sources:
  Single Chassis – 8 stereo or 16 mono
  Dual Chassis – 16 stereo
- Zones: Up to 64 unique zones
- Outputs: 16 expandable to 256
  50w @ 8Ω, 75w @ 4Ω
- Outputs configurable as Left, Right, or Mono
- Crossover High and Low per output
- Individual Bass, Treble and Loudness per zone
- Level matching per output
- Level matching per input
- WHM, 8 Groups and 3 House Scenes
- Rack Mounting with included rack brackets
- ACE™ Automatic Clip Eliminator
- g! Required – Multi-Source/Multi-Zone works only with Home Controllers

Amplifier Mode provides 16 channels of multi-room power*

5,000 SQUARE FOOT HOME WITH A GREAT MASTER SUITE



Single Chassis Mode

Stereo Inputs	Mono Inputs
8	0
7	2
6	4
5	6
4	8
3	10
2	12
1	14
0	16

SPECIFICATIONS

Input/Output

Source Inputs
Single Chassis – 8 stereo or 16 mono or combinations thereof
Dual Chassis – 16 stereo

Zones . . . . . 64 zones maximum

Outputs
Single Chassis Mode – 16 independently assignable to zones by left, right or mono
Dual Chassis Mode – 16 stereo assignable to zones

Triggers

Music Sensing status available through Event Mapper on all inputs

Audio

Output Power RMS . . . . . 75WPC @ 4 Ohms, 50WPC @ 8 Ohms all channels driven
Frequency Response. . . . . 20Hz to 20kHz +/- 1.5 dB at 8 Ohms
Full Power Bandwidth . . . . . 10Hz to 25kHz
Signal to Noise . . . . . > 102 dB (A weighted)
Channel Separation . . . . . > -70dB (channel to channel @ 1kHz)
Total Harmonic Distortion . . . . . < 0.04%
Inter-modulation Distortion . . . . . < 0.1%
Input Impedance . . . . . 49k Ohms

Connectors

Input/Loop Output . . . . . RCA Stereo
Speaker Output . . . . . Gold Plated 5 Way Binding Post

Power

AC Power Requirements . . . . . 110 V, 50-60 Hz – 1300W
Current Draw. . . . . 12A @ 120 VAC
Standby Power Mode. 21W

Dimensions w/Feet (3U w/o Feet) . . . . . (in.) 17 W x 5-7/8 H x 17 D (mm) 432 W x 149 H x 432D

Product Weight: . . . . . 47.6 lbs / 21.6 kg

Shipping Weight: . . . . . 54.0 lbs / 24.5 kg

Certification . . . . . TUV, FCC, RoHS.

*** NOTE: Please download the S1616A Amplifier Mode manual for standalone operation specifications and information.**

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M86A INTEGRATED MULTI-ROOM AUDIO CONTROLLER

INTERNATIONAL

ORDER NO. M86A

Also Available in 240VAC Version (Order No. M86A240)

Multiple control methods bring flexibility and value to all g! installations. The M86A accommodates up to 12 TS2L touchpads (two per zone) while also linking ELAN Via!Net controlled devices. Source specific IR outputs control each of the systems eight audio sources. The six sense input triggers are used for conditional programming and to activate events like a lights-on sequence at night with a garage door opening. The unit also provides connections for Page and Doorbell options with the C2 Communications Controller.

The M86A has the switching muscle to bring all the benefits of g! multi-room control to the most expansive and sophisticated of client installations. With eight audio sources and six zones, the M86A can be stacked to support up to 24 zones. Driven by a cool running 30 Watt per channel internal amplifier, the unit also features 12 variable or fixed preamp outputs to feed external amplifiers. This allows extra power for either outdoor coverage or a large zone with multiple speakers. Buffered loop audio outputs allow for system expansion or sources to be shared with home theater components without signal degradation. Programmable turn-on settings allow independent zone control for bass, treble and volume with "on-the-fly" adjustments. Also source leveling matches the volume of each audio source input for smooth source switching.

FEATURES

- 8 Sources / 6 Zones – expands up to 24 zones
- Built-in 30W x 12 channel amplifier
- Can connect to external amps when extra power is needed
- Direct connection for TS2L Touchpads
- Routable IR Outputs makes IR source control connections a breeze
- Front panel system status and troubleshooting feedback
- Group paging and music-on-hold features with the C2 Comm controller
- VIA!Net controlled by HC Series System Controllers
- Sense inputs for automated events
- Selectable variable / fixed audio preamp outputs
- Input source leveling of each audio source for smooth source switching
- Rack mountable (requires the RMK3 Rackmount Kit)
- Available in 230/240 VAC version

SPECIFICATIONS

Audio Inputs (8)

Input Sensitivity . . . . . 0-2V RMS
Input Impedance . . . . . 47k Ohms

PreAmp Outputs (6)

Max Output Power 6dB
Frequency Response . 20 Hz to 20kHz, +/-0.5dB
THD-Noise (@1KHz) . . . . . <0.02%
Signal-to-Noise (A Weighted). . . . . >95dB
Output Impedance . . . . . 600 Ohms

Amplifier Output

Power Output (RMS) per channel30W @ 8 Ohms
Speaker Impedance. . . . . 8 Ohms
Frequency Response . 20 Hz to 20kHz, +/-0.5dB
THD-Noise (@1KHz) . . . . . <0.02%
Signal-to-Noise (A Weighted). . . . . >95dB

Music on Hold Output

Output Impedance . . . . . 600 Ohms
Max Output Level . . . . . +6dB

Page & Doorbell Input

Input Sensitivity . . . . . .0 -2V RMS
Input Impedance . . . . . 47k Ohms

General

TS2 Power (Zone Input Connection)
. . . . . 300mA @ 12@VDC per zone
Power Requirements 120VAC 50/60Hz
. . . . . 230-240 VAC 50/60Hz
Power Consumption . . . . . .400 W
Dimensions w/Feet 1U w/o Feet)
. . . . . .(in.) 17 W x 4-1/8H x 16 5/8 D
. . . . . .(mm) 432 W x 105H x 422D
Weight . . . . . 26 lbs / 11.8kg

Certifications: cTUVus Certified, CE, IC, C-tick, FCC

ACCESSORIES P. 23
Rack-mount kit

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S86P MULTI-ROOM A/V CONTROLLER

ORDER NO. S86P

Also Available in 240VAC Version (S86P240)

Incorporating ELAN's award winning technology the S86P is a powerful, versatile, scalable and feature rich multi-room controller.

Eight audio/video inputs allow your clients to choose from all their favorite music and video sources – CD, DVD, DVR, iPod®, Satellite Radio and more. Each source can be seen and heard, independently, in up to six zones. Any combination of up to four S86Ps and S86As can be linked together to create 12-, 18- and 24-zone systems, providing you with complete flexibility to create the customized systems just right for your client's home.

Featuring discrete zone IR commands that allow any learning remote to control any zone, the S86P incorporates many more powerful features such as bass, treble, loudness EQ and programmable turn-on levels for each zone, whole-house music, and A/V source-sensing for system feedback at touch panels; all at a price that defies common industry trends.

The S86P also gives you the flexibility to customize the power delivered to each room. Choose from six ELAN amplifiers that encompass both analog and digital state-of-the-art technologies and provide you with a wide range of channel and power options. And because the S86P is compatible both g! and standalone systems, you can choose the implementation that best fits your needs.

FEATURES

- 6-zone multi-room A/V controller
- 8 audio source Inputs
- 8 composite video source inputs
- PreAmp-only version allows you to customize your amplification needs
- Compatible with all ELAN user interfaces
- Loss-free composite video distribution up to 300 ft.
- Buffered audio & video loop outputs
- Selectable variable/fixed preamp outputs
- Discrete zone IR commands
- Audio / Video status sensing
- Programmable turn-on levels for each zone
- Bass, treble, loudness & balance for each zone
- Programmable zone trigger outputs
- Sense inputs (6)
- 8-Source-specific IR output ports, plus "All" port
- Front panel USB download port
- Expandable to 12, 18 or 24 zones w / any combination of S86A & S86P (uses S12XK Expansion Kit)
- Rack-mount ears (included)

SPECIFICATIONS

Audio Inputs (8)

Input Sensitivity . . . . . 0-2V RMS
Input Impedance . . . . . 47k Ohms

PreAmp Outputs (6)

Volume Adjustment Range . . . -74dB to +6dB
Frequency Response . 20Hz to 20kHz, +/-0.5dB
THD+Noise (@1KHz) . . . . . .<0.02%
Signal-to-Noise (A Weighted). 95dB
Crosstalk (Zone to Zone) . . . . . >105dB
Output Impedance . . . . . 600 Ohms

Music on Hold Output

Output Impedance . . . . . 600 Ohms
Max Output Level . . . . . +6dB

Page & Doorbell Input

Input Sensitivity . . . . . 0-2V RMS
Input Impedance . . . . . 47k Ohms

Video

Gain . . . . . Unity
Bandwidth (-3dB). 12MHz
Gain Flatness (1dB) 6MHz
Input Impedance . . . . . 75 Ohms
Output Impedance . . . . . 75 Ohms
Crosstalk . . . . . -40dB @ 3.58MHz

General

Trigger Outputs. . . . . +12VDC @ 100mA ea.
Keypad Power . . . .300mA @12VDC per zone
AC Power Requirements 120VAC, 150W
240VAC, 150W
Current Draw 1.3A @ 120VAC / 0.8 A @ 240VAC
Dimensions w / Feet (2U w/o Feet)
. . . . . (in.) 17 W x 4-1/8 H x 15-3/8 D
. . . . . (mm) 432 W x 105 H x 391 D
Weight . . . . . 17.5 lbs. / 8 kg

Certifications cTUVus Certified, CE, IC C-tick, FCC

ACCESSORIES P. 23
Rack-mount kit and expansion kit

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S86A INTEGRATED MULTI-ROOM A/V CONTROLLER

ORDER NO. S86A

Also Available in 240VAC Version (Order No. S86A240)

The S86A is the amplified version of the S86P and features an integrated 12 x 30WPC power amplifier.

The S86A combines a high quality audio matrix switcher with a composite video swticher along with scalability to provide you with a versatile, feature rich multiroom entertainment system.

Eight audio/video inputs allow your clients to choose from all their favorite music and video sources – CD, DVD, DVR, iPod®, Satellite Radio and more. Each source can be seen and heard, independently, in up to six zones. Any combination of up to four S86As and the S86P (see page 20) can be linked together to create 12-, 18- and 24-zone systems, providing you with complete flexibility to create the customized systems just right for your client's home.

Featuring discrete zone IR commands that allow any learning remote to control any zone, the S86A also incorporates many more powerful features such as bass, treble, loudness EQ and programmable turn-on levels for each zone, whole-house music, and A/V source-sensing for system feedback at touch panels; all at a price that defies common industry trends.

The S86A is fully compatible with g! and also features a full set of IR and serial codes that allow for interface with standalone installations.

FEATURES

- 6-zone multi-room A / V controller
- 8 audio source Inputs
- 8 composite video source inputs
- Integrated 12 x 40 WPC power amplifier
- Compatible with all ELAN user interfaces
- Loss-free composite video distribution up to 300 ft.
- Buffered audio & video loop outputs
- Selectable variable/fixed preamp outputs
- Discrete zone IR commands
- Audio / Video status sensing
- Programmable turn-on levels for each zone
- Bass, treble, loudness & balance for each zone
- Programmable zone trigger outputs
- Sense inputs (6)
- 8-Source-specific IR output ports, plus "All" port
- Front panel USB download port
- Expandable to 12, 18 or 24 zones w / any combination of S86A & S86P
- Optional Rack-mount Kit (RMK3)

SPECIFICATIONS

Audio Inputs (8)

Input Sensitivity . . . . . 0-2V RMS
Input Impedance . . . . . 47k Ohms

PreAmp Outputs (6)

Volume Adjustment Range . . . -74dB to +6dB
Frequency Response 20Hz to 20kHz, +/-0.5dB
THD+Noise (@1KHz) . . . . . <0.02%
Signal-to-Noise (A Weighted) 95dB
Crosstalk (Zone to Zone) . . . . . >105dB
Output Impedance . . . . . 600 Ohms

Music on Hold Output

Output Impedance . . . . . 00 Ohms
Max Output Level . . . . . +6dB

Page & Doorbell Input

Input Sensitivity . . . . . 0-2V RMS
Input Impedance . . . . . 47k Ohms

Video

Gain . . . . . Unity
Bandwidth (-3dB) 12MHz
Gain Flatness (1dB) 6MHz
Input Impedance . . . . . 75 Ohms
Output Impedance . . . . . 75 Ohms
Crosstalk . . . . . -40dB @ 3.58MHz

Amplifier Output

Power Output (RMS) per channel30W @ 8 Ohms
Frequency Response . . . . . 20Hz to 20kHz, +/-1dB into 8 Ohms
Signal-To-Noise . . . . . > 95dB (A-weighted)
Channel Separation . . . . . > 70dB (channel to channel @1kHz)
THD . . . < .02% @ 1kHz, < 0.06% @ 10kHz

General

Trigger Outputs. . . . . +12VDC @ 100mA ea.
Keypad Power . . . . . .300mA @12VDC per zone
AC Power Requirements . . . . . 120VAC, 400W / 240VAC, 400W
Current Draw 3.4A @ 120VAC /1.8A @240VAC
Dimensions w/ Feet (2U w/o Feet)
. . . . . (in.) 17 W x 4-1/8 H x 15-3/8 D
. . . . . (mm) 432 W x 105 H x 391 D
Weight . . . . . .22.5 lbs. / 10.2 kg
Certifications: cTUVus Certified, CE, IC, C-tick, FCC

ACCESSORIES P. 23
Rack-mount kit and expansion kit

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ACCESSORIES

FOR S SERIES & M SERIES CONTROLLERS

RMK3 RACK-MOUNT KIT

Use with S86A, S86P and A12

ORDER NO. RMK3

- Rack-mount kit for:
  - S86A Integrated Multi-Room A / V Controller
  - M86A Integrated Multi-Room Audio Controller
  - A12 12-Channel Power Amplifier
- 3U height provides extra rack space above & below units for optimum air flow & heat dispersion
- Can also be used w / S86P to maintain rack continuity
- Dimensions: (in.) 19 W x 5-1/4 (3U) H
  (mm) 483 W x 134 (3U) H

S12XK MULTI-ROOM CONTROLLER EXPANSION KIT

For use with S86A, S86P, and M86A

ORDER NO. S12XK

The S86A, S86P and M86A Multi-Room A/V Controllers allow you to link up to four chassis together, providing you with the flexibility to create greatly expanded multi-zone systems. The S12XK Expansion Kit includes all the essential cables for routing IR, RS-485, RS-232, page audio and page trigger between two S86A / S86Ps.

FEATURES

- Expansion kit for S86A / S86P and M86A systems
- Cables route IR, RS-485, RS-232, page audio & page trigger between chassis
- 1 kit required for each 2nd, 3rd or 4th S86A / S86P and M86A in a system (3 kits max.)

The kit includes:

(1) 1-meter 15-pin D-Sub cable for IR / RS-485 transmission between chassis

(1) 1-meter 9-pin D-Sub cable for serial data transmission between chassis

(1) 18 in. 3.5 mm "mini" plug interconnect cable for PG/DB Trigger connections between chassis

(1) 18 in. male RCA-to-RCA cable for page audio connections between chassis

Note: Does not include cables for routing source audio and video between chassis.

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C2 COMMUNICATIONS CONTROLLER

ORDER NO. C2

An ELAN Communication Controller changes the way people live. It not only opens new avenues of in-home communications, but delivers a new level of convenience, comfort and security that your clients will relish. More than music, more than video, more than almost any other whole-house electronics feature – ELAN telecommunication functions are the most-used feature in the home.

With the C2 Communication Controller your clients can use any corded or cordless touchtone phone to:

- Page throughout the house over the multi-room system's speakers
- Converse phone-to-phone with other household members
- Speak with visitors at any door
- Activate door latches to let visitors in
- Place callers on hold
- Mute or un-mute music
- Control relay-activated devices such as garage doors or lighting
- Select from 10 whole-house digital door chimes and more

Initiating ELAN telecom features is easy and intuitive. Use the [*] or [#] key to initiate a feature – then follow it with a "P" for Page, "D" for Door, "H" for Hold or "M" for Mute. If there's more than one door station in the system, D1 thru D4 connect you to each door station independently. You can even program a phone's speed dial numbers for one-button access to any C2 feature.

Transform any multi-room audio system into a multi-line communications network that seamlessly integrates intercom, telephone and automation features to create an environment of easy in-home communications.

The C2 is the ultimate easy add-on to, or closer for, an ELAN Multi-Room System!

FEATURES

- Convenient alternative to on-wall intercoms & expensive phone systems
- Uses standard touch-tone phones
- High-quality whole-house paging & door chimes
- Phone-to-phone intercom
- Caller-on-hold w / music
- 10 user-selectable door chimes
- Independent access of up to 4 ELAN Door Stations*
- Door latch control for up to 4 doors
- On-hold & off-hook alerts (defeatable)
- Whole-house music mute
- 4 phone-activated triggers
- Dual telco inputs for ELAN features on 2 lines
- Audible door chime at door stations (defeatable)
- Standard dial tone, caller ID & voice mail pass-thru
- 48V operation for multi-line system compatibility
- Enhanced surge protection
- USB port for downloading enhancements
- Rack-mount ears (included)

SPECIFICATIONS

AC Power Requirements. 120VAC, 25W

House Phone Battery Voltage 48VDC

C.O. Access Lines 2

Phone In / Out, Line 1 / Line 2Connector (2) RJ-14

Music-on-Hold (MOH) Input
Connector . . . . . .RCA-type, line level
Input level (mono) 0 to 2.5V p-p max. adjustable

Page / Doorbell (P/DB) Output
Connector. . . . . .RCA-type, line level
Output level (mono). 0 to 2.5V p-p max, adjustable

Volume Control Override (VCO)
Connectors (4) . . . . 2-position (+/-) flip-lock
Power . . . .Internal 1A, 12VDC power supply

Relays (4)
Connector 3-position (NO/NC/COM) flip-lock
Type Dry contact, 30VAC/DC @ 4A (max ea.)

Trigger Inputs (2)
Connector . . . . . 4-position flip-lock
Type . . . . . Dry contact, 12V current limited

Trigger Outputs (4)
Connector. . . . . 3.5mm jack
Type. . . .PG (page), DB1, DB2, SUM (page + DB1-4)

Door Station Bus
Connector . . . . . 4-position flip-lock
Door Mic / Speaker Gain Range. . . 6dB boost
Wire requirements . . . . Cat-5, 1000 ft. max.
(COM2 is compatible only w / ELAN DSS3, DSF3 & DSC3 Door Stations)

LED Indicators
Line 1/Line2 . . . . . .Ring, on-hold, off-hook
System . . . . .Mute / telemute, page, DB 1-4, relay 1-4, power

Audio Loop Inputs / Outputs
Connectors. . . . . .RCA-type, line-level

Dimensions w/ Feet (1U w/o Feet)
. . . . . .(in.) 17 W x 2-3/8 H x 12-1/2 D
. . . . . (mm) 432 W x 60 H x 318 D

Certifications: cTUVus Certified for US & Canada

Telecom Registration: FCC Part 68, Industry Canada (IC) CS-03

VHTO100 HOME THEATER PAGING/ MUSIC OVERRIDE MODULE

High-power stereo speaker switching module that allows ELAN Page and Door Chime audio to be automatically routed to speakers in non-ELAN system areas such as a Home Theater.

DSC3 DOOR STATION WITH HI-RES COLOR CAMERA

ELAN Door Stations are available in chrome and oil-rubbed bronze finishes. **See next page.**

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DOOR STATIONS

ELAN Door Stations make the powerful features of the C2 Communications Controller even more attractive to your clients by adding convenience and security.

ELAN Door Stations allow your clients to speak with visitors at the door and activate electronic door latches from any touchtone phone in the house. They will also enjoy ten user-selectable whole-house digital door chimes. One model, the DSC3, features a built-in, all-weather, color camera that allows them to view visitors from any ELAN Touch Panel, Touch Screen or TV in the house.

Featuring two elegant finishes, rim-lit doorbell buttons, refined aesthetic detail, 2-conductor connectivity, and surface- & flush-mount models, ELAN has a Door Station that will enhance the entranceway of any home.

All three models are available in Oil-Rubbed Bronze and Polished Chrome. All three also feature the door latch activation feature that allows homeowners to trigger a third-party electronic door latch from any touch-tone phone.

The crystal-clear sounding speaker and microphone are sealed tight against the weather, as is the lighted doorbell button. Enhanced circuit design allows the door stations to be placed 1000 ft. from the head end using a single run of Cat-5 cable.

All door station face plates are constructed from 0.4˝ thick brass and coated with a tarnish-proof zirconium nitride finish that can withstand the harshest of environments and continue to look beautiful year after year. Each model can be installed horizontally or vertically.

COMMON FEATURES (All 3 Models)

- Available in oil-rubbed bronze and polished chrome.
- Rim-lit doorbell buttons
- Tarnish-proof face plates
- Locate up to 1000 ft. from head end
- Weather-sealed, high-quality speaker & mic
- Full duplex communications
- Door latch activation relay
- Horizontal or vertical installation
- Compatible w / C2 only

SPECIFICATIONS (ALL 3 MODELS)

Speaker. . . . . .8 Ohms, sealed back polyester cone
Microphone . . .High-gain, omni-directional condenser
Door Latch Relay . . . 12VDC coil, 2A contact rating
Wiring Requirements. . . . . Cat-5, 1000 ft. max
Max. per C2. 4

Color Camera Specifications for DSC3 only

Imager. . . . . .1/3 in. CCD
Auto Iris. . . . . 1/50 – 1/100,000 sec.
Lux. . . . . 0.5 min.
Resolution. . . . . 480 TV lines
Horizontal Viewing Angle. . . . . .120°
Vertical Viewing Angle. . . . . 100°
Swivel. . . . . .+15°/-15° left to right
Video Output. . . . . .1V pk-pk
Video Output Impedance. . . . . 75 Ohms
Power Requirements. . . . . 12VDC @ 130mA (Camera power supply incl.)

Face Plate Dimensions	(in.) 5-1/2W x 3-8/10H (mm) 138W x 97H
DSS3 depth	(in.) 9/10 (mm) 23

DSC3

FLUSH-MOUNT DOOR STATION WITH HI-RES COLOR CAMERA

ORDER NO. DSC3

FEATURES

- See & speak w / visitors at any entranceway
- Wide-angle, hi-res / low-lux color CCTV camera built right in
- Separate "door jam" lighted door bell button w / matching finish (incl.)
- Flush-mount design fits in DBK1000 rough-in bracket

DSF3

FLUSH-MOUNT DOOR STATION

ORDER NO. DSF3

FEATURES

- Speak w / visitors at any entranceway
- Flush-mount design fits in DBK1000 rough-in bracket

Door Stations available in Oil-Rubbed Bronze and Polished Chrome.

DSS3

SURFACE-MOUNT DOOR STATION

ORDER NO. DSS3

FEATURES

- Speak w / visitors at any entranceway
- Surface-mount design installs on almost any outdoor surface
- Ideal for retro-fit applications
- Only 9/10 in. deep

DBK1000 DOOR STATION ROUGH-IN BRACKET

ORDER NO. DBK10006P

FEATURES

- New-construction bracket for DSC3 & DSF3
- Flush-mounts into brick, stucco, drywall or clapboard
- Vapor barrier (incl.)
- Available in pkgs. of 6

Cut-out Dimensions	(in.) 4-5/8 W x 2-5/8 H (mm) 118 W x 67 H

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DT22 DUAL AM/FM SIRIUS-READY TUNER

ORDER NO. DT22

The DT22 is a Sirius-ready, dual AM/FM tuner that lets your clients enjoy independent radio station listening in different rooms throughout the house.

Built in to the DT22 are two high-quality AM / FM tuners. Additionally, the DT22 features inputs for the quick and easy connection of two Sirius Satellite Radio Modules.

Dedicated outputs for the AM / FM tuners plus two dedicated Sirius outputs means that your clients can listen to up to four different streams of radio throughout their home from a single DT22. If they want even more, two DT22s can be linked for up to eight independent audio outputs.

The DT22 has a front panel IR receiver and comes with a full function handheld remote. There are also rear panel control ports for IR, serial and Ethernet control. In an ELAN multi-room system, 2-way feedback, including station call letters, frequency, genre, song name and artist, can be viewed on any ELAN Touch Panel, Touch Screen or TS2L Touchpad.* The DT22 also decodes and displays data from the Radio Broadcast Data System (RBDS) in the US, enhancing the user experience even further.

Setup of the DT22 is easy and intuitive through front panel buttons and a graphical LCD. Installers are guided through the setup process for everything, including Network and Ethernet settings. There's even a diagnostics screen that provides AM/FM signal strength and Sirius signal detection status.

Users can easily program their own favorite station presets as they, too, are guided through this process for each tuner.

***Displayable data varies depending on source, i.e. standard AM/FM, RBDS, or Sirius radio.**

FEATURES

- Built-in dual AM / FM tuners
- Sirius-ready for two plug-in modules
- Four sets of independent outputs for multi-room listening
- IR-, Ethernet- & Serial-controllable
- View radio station & "Now Playing" information on ELAN user interfaces
- Easy setup & diagnostics w / front panel buttons & graphical LCD
- Displays all RBDS data
- Preset or direct numeric access
- 396 presets per tuner
- IR remote control (included)
- Link 2 DT22s to provide up to 8 tuners (4 AM / FM, 4 Sirius)
- Sirius Parental Control menu
- ELAN **SmartSource** with built-in RS-232 serial driver

SPECIFICATIONS

Control Ports

IR In / Out . . . . . (2) 3.5mm jacks
VIA!Net In / Out . . . . . (2) RJ-45
RS-232 . . . . . .(1) Female DB9 (DCE)

Audio: FM

Tuning Frequencies . . . . . 76 ~ 108MHz
Frequency Response 300Hz to 15kHz (+0/-3dB)
SNR . . . . . 63dB (Mono) / 58dB (Stereo)

Audio: AM

Tuning Frequencies . . . . . .520 ~ 1710kHz
SNR 56dB

Audio: SIRIUS

Frequency Response . . . .20Hz to 20kHz (+/-0.5dB)
SNR 80dB
THD 0.01%

Ethernet . . . . . (1) RJ-45

Sirius Module Ports . . . . . (2) 8 pin DIN

Analog Audio Outputs. . . . . (4 pr.) RCA Stereo
(1 pr. per AM / FM / 1 pr. Per Sirius module)

Digital Audio Output . . . . . (2) Optical TOSLink
(1) per AM / FM tuner

Antenna Inputs . . . . .(1) Coax FM Antenna Input
(1) AM Antenna Input – Push Terminals

Power requirements 120VAC, 35W

Dimensions . . . . . (in.) 17 W x 3-1/2 H x 14 D
. . . . . .(mm) 432 W x 89 H x 356 D

Weight . . . . . 13.6 lbs/6 kg

Certifications: cTUVus, FCC Part15

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DT22240 DUAL AM/FM TUNER

INTERNATIONAL

ORDER NO. DT22240

(FOR USE IN COUNTRIES WITH 240V) A dual AM/FM tuner that lets you enjoy independent radio station listening in different rooms throughout the house. This tuner is designed for countries using 240V and comes preset for the Euro/Asia tuning region so that you're ready to rock (or jazz, or classical) right from the start. The DT22-240 is a dual AM/FM tuner that lets your clients enjoy independent radio station listening in different rooms throughout the house.

Built in to the DT22-240 are two high-quality AM / FM tuners. Dedicated outputs for the AM / FM tuners means that your clients can listen to up to two different streams of radio throughout their home from a single DT22-240. If they want even more, two DT22-240s can be linked for up to four independent audio outputs.

The DT22-240 has a front panel IR receiver and comes with a full function handheld remote. There are also rear panel control ports for IR, serial and Ethernet control. In an ELAN multi-room system, 2-way feedback, including station call letters, frequency, genre, song name and artist, can be viewed on any ELAN Touch Panel, Touch Screen, or TS2L Touchpad.* The DT22-240 also decodes and displays data from the RDS in the EU, enhancing the user experience even further.

Setup of the DT22-240 is easy and intuitive through front panel buttons and a graphical LCD. Installers are guided through the setup process for everything, including Network and Ethernet settings.

There's even a diagnostics screen that provides AM/FM signal strength.

Users can easily program their own favorite station presets as they, too, are guided through this process for each tuner.

***Displayable data varies depending on source, i.e. standard AM/FM or RDS.**

FEATURES

- Built-in dual AM / FM tuners
- Four sets of independent outputs for multi-room listening
- IR-, Ethernet- & Serial-controllable
- View radio station & "Now Playing" information on ELAN user interfaces
- Easy setup & diagnostics w / front panel buttons & graphical LCD
- Displays all RBDS (US) and RDS (EU) data
- Preset or direct numeric access
- 396 presets per tuner
- IR remote control (included)
- Link 2 DT22s to provide up to 4 tuners (4 AM / FM)
- ELAN **SmartSource** with built-in RS-232 serial driver

SPECIFICATIONS

Control Ports

IR In / Out . . . . . (2) 3.5mm jacks
VIA!Net In / Out . . . . . (2) RJ-45
RS-232 . . . . . .(1) Female DB9 (DCE)

Audio: FM

Tuning Frequencies . . . . . 76 ~ 108MHz
Frequency Response 300Hz to 15kHz (+0/-3dB)
SNR . . . . . 63dB (Mono) / 58dB (Stereo)

Audio: AM

Tuning Frequencies . . . . . .520 ~ 1710kHz
SNR 56dB

Ethernet . . . . . (1) RJ-45

Analog Audio Outputs . . . . . (2 pr.) RCA Stereo
` . . . . . (1 pr. per AM / FM)

Digital Audio Output . . . . . (2) Optical TOSLink
(1) per AM / FM tuner

Antenna Inputs . . . . .(1) Coax FM Antenna Input
(1) AM Antenna Input – Push Terminals

Power requirements 240VAC, 35W

Dimensions . . . . . (in.) 17 W x 3-1/2 H x 14 D
. . . . . .(mm) 432 W x 89 H x 356 D

Weight . . . . . 13.6 lbs/6 kg

Certifications: CE, C-tick

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DT11 AM/FM SIRIUS-READY TUNER

ORDER NO. DT11

The DT11 is a Sirius-ready, AM/FM tuner that lets your clients enjoy independent radio station listening in different rooms throughout the house.

Built in to the DT11 is a high-quality AM / FM tuners. Additionally, the DT11 features an input for the quick and easy connection of a Sirius Satellite Radio Module.

A dedicated output for the AM / FM tuner plus a dedicated Sirius output means that your clients can listen to up to two different streams of radio throughout their home from a single DT11.

The DT11 has a front panel IR receiver and comes with a full function handheld remote. There are also rear panel control ports for IR, serial and Ethernet control. In an ELAN multi-room system, 2-way feedback, including station call letters, frequency, genre, song name and artist, can be viewed on any ELAN Touch Panel, Touch Screen or TS2L Touchpad.* The DT11 also decodes and displays data from the Radio Broadcast Data System (RBDS).

Setup of the DT11 is easy and intuitive through front panel buttons and a graphical LCD. Installers are guided through the setup process for everything, including Network and Ethernet settings. There's even a diagnostics screen that provides AM/FM signal strength and Sirius signal detection status.

Users can easily program their own favorite station presets as they, too, are guided through this process for each tuner.

***Displayable data varies depending on source, i.e. standard AM/FM, RBDS, or Sirius radio.**

FEATURES

- Built-in single AM / FM tuner
- Sirius-ready for a plug-in module
- Four sets of independent outputs for multi-room listening
- IR-, Ethernet- & Serial-controllable
- View radio station & "Now Playing" information on ELAN user interfaces
- Easy setup & diagnostics w / front panel buttons & graphical LCD
- Displays all RBDS data
- Preset or direct numeric access
- 396 presets per tuner
- IR remote control (included)
- Sirius Parental Control menu
- ELAN **SmartSource** with built-in RS-232 serial driver

SPECIFICATIONS

Control Ports

IR In / Out . . . . . (2) 3.5mm jacks
VIA!Net In / Out . . . . . (2) RJ-45
RS-232. . . . . .(1) Female DB9 (DCE)

Audio: FM

Tuning Frequencies. . . . . 76 ~ 108MHz
Frequency Response 300Hz to 15kHz (+0/-3dB)
SNR . . . . . 63dB (Mono) / 58dB (Stereo)

Audio: AM

Tuning Frequencies. . . . . .520 ~ 1710kHz
SNR 56dB

Audio: SIRIUS

Frequency Response . . . .20Hz to 20kHz (+/-0.5dB)
SNR 80dB
THD 0.01%

Ethernet . . . . . (1) RJ-45

Sirius Module Ports . . . . . (1) 8 pin DIN

Analog Audio Outputs. . . . . (2 pr.) RCA Stereo
(1 pr. per AM / FM / 1 pr. Per Sirius module)

Digital Audio Output . . . . . (1) Optical TOSLink
(1) per AM / FM tuner

Antenna Inputs . . . . .(1) Coax FM Antenna Input
(1) AM Antenna Input – Push Terminals

Power requirements 120VAC, 35W

Dimensions . . . . . (in.) 17 W x 3-1/2 H x 14 D
. . . . . .(mm) 432 W x 89 H x 356 D

Weight . . . . . 13.6 lbs/6 kg

Certifications: cTUVus, FCC Part15

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Rock Solid.

Flexibility is a performance specification. Having great sound and reliable operation are minimum requirements in today's marketplace. Flexibility is unique. Our digital amplifiers are perfect for the high end multi-room installation where you must be able to adjust the input levels independently and must have features such as: *minimum turn-on level, absolute maximum volume,* and *automatic volume reduction*. On the analog side we have high current amplifiers capable of driving multiple pairs of speakers without impedance matching and as well as cost effective multi-channel solutions. ELAN – your application-specific amplifier solution company

S1616A MULTI-SOURCE MULTI-ZONE CONTROLLER / AMPLIFIER IN AMPLIFIER MODE

INTERNATIONAL

ORDER NO. S1616A

Also Available in 240VAC Version (Order No. D16240)

The S1616A when used in Amplifier Mode has all the features and benefits that made the original D16 such a capable and popular product.

Featuring output of 75 watts at 4 ohms, or 50 watts at 8 ohms, to sixteen channels with multiple configurable buss inputs, the S16161A Amplifier Mode is one serious amp that can me used in many installations where lesser amplifiers fall flat.

Even when not connected to a g! Home Controller, the S1616A can be used as a audio switcher, pre-amp, and amplifier all in one. Using the extensive IR code library it can be controlled by popular hand held remote controls allowing eight zones of stereo audio capability.

The S1616A in Amplifier Mode is a "green-friendly" product with a low power standby mode that provides nearly instant turn-on for predictable operation while conserving energy.

FEATURES

- 16 channels of digital amplification
- True power ratings of 50WPC @ 8 Ohms & 75WPC @ 4 Ohms (all channels driven)
- A & B Bus inputs & outputs
- Two optical digital inputs
- 8 paired trigger inputs + "All On" trigger input & trigger loop output
- Only 3 rack spaces high
- Rack-mount ears included

SPECIFICATIONS

Power Output (RMS) per Channel . . 75W @ 4 Ohms
50W @ 8 Ohms

Frequency Response . . . . . 20Hz to 20kHz
+/- 0.3dB into 8 Ohms

Full Power Bandwidth . . . . . 10Hz to 25kHz

Signal-To-Noise . . . . . >102dB (A-weighted)

Channel Separation . . . . . >70dB
(channel to channel @ 1 kHz)

Total Harmonic Distortion . . . . . <.04%

Intermodulation Distortion. . . . . <0.1%

Input Impedance . . . . . 49k Ohms

Trigger Inputs . . . . . 5 to 24 Volts AC/DC

Trigger Loop Output. . . . . +12VDC @ 0.1A

AC Power Requirements. 110VAC 50-60 Hz 440W

Standby Power 21W

Current Draw . . . . . 12A @ 120VAC

Dimensions (w/o feet)

. . . . . (in.) 17 W x 5-7/8 H x17 D
. . . . . (mm) 432 W x 142 H x 432 D

Weight . . . . . 47.6 lbs / 21.6 kg

Certifications: TUV, FCC, RoHS

*** NOTE: Please download the S1616A Amplifier Mode manual for standalone operation specifications and information at www.elanhomesystems.com/dealer**

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D12 12-CHANNEL DIGITAL POWER AMPLIFIER

ORDER NO. D12

Also Available in 240VAC Version (Order No. D12240)

Designed, built and rigorously tested for outstanding reliability and sound, the D12 achieves a high level of dependability and performance in multi-channel amplification.

The D12 uses low heat/high efficiency Class D digital technology with 8x oversampling and 48-bit signal processing to deliver the cleanest audio and most efficient amplification available today. Each of the amplifier's 12 channels have a true power rating of 75W into 8 Ohms and 100W into 4 Ohms – with all channels driven. The D12 also incorporates new, one-of-a-kind technologies that make its setup, flexibility and performance truly unique.

Configuring the D12 is done through its front panel buttons and display. From there you can set input levels for each channel individually or for all channels at once. You can also configure input selections for direct stereo, mono mix-down, and A/B bussing in both stereo and mono

Program features such as max volume output, min/max turn-on levels for each channel, independent triggers that allow you to turn on and off any mix of amp channels, link/un-link channel pairs and more. You can even create up to three "scenes" that, with the touch of a button, can raise or lower specific amp channels.

What's more, the D12's blue graphical LCD allows you to view all your settings and provides important diagnostic information such as faults, thermal warnings and impedance load per channel.

All these features, and many more, have been incorporated into a chassis design that exceeds all standard quality assurance testing – and then some – making the D12 the most reliable amplifier ever built for multi-room audio applications.

FEATURES

- Designed, built and tested for outstanding reliability and sound
- Class D Digital Technology w / 8X oversampling & 48-bit signal processing
- True power ratings of 75WPC @ 8 Ohms & 100WPC @ 4 Ohms
- Low heat / high efficiency
- Patent-pending ACE™ Automatic Clip Eliminator
- Fault, thermal and impedance load monitoring for each channel
- Blue graphical LCD for setup, monitoring & diagnostics
- Intuitive front panel button setup
- "Lockout" feature fixes settings
- Programmable "scenes"
- Multiple input and Bus options
- Buffered loop outputs for each channel
- USB port allows for easy download from ELAN configuration software
- VIA!Net jack for control & monitoring
- Rack-mount ears (incl.)

SPECIFICATIONS

Power Output (RMS) per channel 100W @ 4 Ohms, 75W @ 8 Ohms (all channels driven)

Frequency Response . . . . . 20Hz to 20kHz, -3dB into 8 Ohms

Full Power Bandwidth 10Hz to25kHz

Signal-To-Noise . . . . . > 102dB (A-weighted)

Channel Separation . . . . . >-70dB (channel to channel @ 1kHz)

Total Harmonic Distortion . . . . . < .04%

Intermodulation Distortion. . . . . < 0.1%

Input Impedance . . . . . .49k Ohms

Remote Trigger Inputs. . . . 5 to 24 Volts AC / DC

Trigger Loop Output . . . . . .+12VDC @ 10mA

AC Power Requirement . . . . . 20VAC, 1440W or 240VAC, 1440W Standby @ 20W

Current Draw . . . . 12A @ 120VAC / 6A @ 240VAC

Dimensions w/ Feet (3U w/o Feet)

. . . . . (in.) 17 W x 5-7/8 H x 17 D

. . . . . (mm) 432 W x 149 H x 432 D

Weight . . . . . .47lbs. / 21.32kg

Certifications: cTUVus, CE, IC, C-Tick, CB Scheme, FCC

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A12 12-CHANNEL POWER AMPLIFIER

ORDER NO. A12

The A12 Power Amplifier is designed to provide a reliable, affordable and feature-rich solution for multi-room audio systems requiring up to twelve channels of amplification. Building on ELAN's proven analog technology, the A12 adds advanced features like audio sensing, stereo/mono bussing and trigger inputs/outputs to make it the premier amplifier in its price range.

Using easy-to-configure dip switches a bus input can be sent to any A12 output without the use of additional patch cables. Bus loop outputs allow for easy connection to additional amplifiers, A/V receivers, etc.

Six +12VDC trigger inputs allow each pair of channels to be activated independently. The A12's audio sense circuit mutes or un-mutes channels based upon audio signal detection.

Each channel also features an audio loop output, making for the easy creation of stereo and mono sub-zones or for routing audio to additional amplifiers or audio processors. Individual channel level adjustments allow fine-tuning of each channel. Removable, locking speaker terminals make quick and secure speaker connections.

FEATURES

- 12 x 30 WPC @ 8 Ohms
- Stereo / mono bus
- 6 paired remote trigger inputs
- System trigger in / out
- Audio loop outputs
- Individual channel level adjustments
- Audio sense
- Removable locking speaker terminals
- 2 rack-spaces high
- 3 rack-spaces high w / optional rack mount kit (RMK3)

SPECIFICATIONS

Power Output (RMS) per Channel. . 30W @ 8 Ohms

Frequency Response. . . . . 20Hz to 20kHz, +/-1dB into 8 Ohms

Full Power Bandwidth . . . . . .5Hz to 55kHz, -3dB into 8 Ohms

Signal-To-Noise . . . . . .>95dB (A-weighted)

Channel Separation . . . . . >70dB (channel to channel @1kHz)

THD. . . . . <.01% @ 1kHz, <0.06% @ 10kHz

Intermodulation Distortion. . . . . <0.1%

Voltage Gain (Av) . . . . . Continuously variable from 0 - 20

Slew Rate . . . . . >9 V / microsecond

Input Impedance . . . . . .47k Ohms

Input Sensitivity 0.707VRMS

Trigger Inputs . . . . . 5 to 24VDC

Trigger Loop Output. . . . . +12VDC @ 0.1A

AC Power Requirements. 120VAC, 440W

Current Draw . . . . . .3.7A @ 120VAC

Dimensions w/ Feet (2U w/o Feet)

. . . . . (in.) 17 W x 4-1/8 H x 12-3/4 D

. . . . . (mm) 432 W x 105 H x 324 D

Weight . . . . . 20 lbs / 9.07 kg

Certifications: ETL® listed, CE

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A6 6-CHANNEL POWER AMPLIFIER

ORDER NO. A6

Designed specifically for the Custom Installer, the A6 Power Amplifier is the cornerstone of any high-fidelity system. The A6 provides six channels at 30 WPC or three channels at 60 WPC in a 1-3/4 inch single rack-space plus additional features not found on an amplifier (of any size) on the market.

Six front panel gain pots, signal presence and clip indicators make setup a snap! A convenient Bus Mode switch allows one stereo input to be routed to three pairs of amplified outputs without the need for additional patch cables. Independent bridge mode buttons allow mixing of bridged and un-bridged channels. Buffered line level outputs can be Y-corded for mono signal applications.

The built-in IR connecting block can power up to four IR receivers and emitters – great for standalone IR control applications! The remote trigger input mutes the amplifier when the preamp is turned off.

The ultra-high-efficiency toroidal transformer and 40,000uF bulk storage capacitance ensures that peak current demands are always met.

FEATURES

- 30 WPC into 8 ohms, 60 WPC into 4 ohms
- Front panel gain pots, signal presence, clip & IR pass-through LED indicators
- Bus Mode switch
- Buffered line level outputs
- IR pass-through connecting block
- Remote trigger IN / OUT
- Only 1 rack-space high
- Rack ears included

SPECIFICATIONS

Power Output (RMS) per channel 30W @ 8 Ohms
. . . . . .60W @4 ohms
Frequency Response. . . . 20Hz to 20kHz -.25dB
Full Power Bandwidth . . . . . 10Hz to 30kHz
Signal to Noise . . . . . >110dB (A-weighted)
Channel Separation . . . . . .>70dB @ 1kHz
THD. . . . . < 0.03%
Intermodulation Distortion. . . . . < -90dB
Voltage Gain (Av) . . . . . 0 to 28, adjustable
Input Impedance . . . . . 20k Ohms
Remote Trigger Input . . . . . 5-24V AC/DC
Trigger Loop Output. . . . . +12VDC @ 0.1A
AC Power Requirements. 120VAC, 440W
Current Draw . . . . . 3.7A @ 120VAC
Dimensions
(in.) 17 W x 2-1/4 H x 11 D
(mm) 432 W x 58 H x 280 D
Weight. . . . . .16 lbs / 7.2 kg
Certifications: ETL® listed, CE

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A2 2-CHANNEL POWER AMPLIFIER

ORDER NO. A2

Whether specifying the A2 in a home theater application or in a distributed audio system, this single rack-height amp provides enough power to handle the most inefficient freestanding speakers or a whole house full of in-walls.

The A2 amplifier will deliver 150 watts per channel into 2-Ohm loads. This high-current, low-impedance design eliminates the need for speaker selector boxes or load protection devices when driving up to three pair of 8-Ohm speakers. The ultra-high-efficiency toroidal transformer and 40,000uF bulk storage capacitance ensures that peak current demands are always met. This translates into exceptionally tight bass response and improved dynamic headroom.

Buffered loop outputs allow routing of the stereo inputs to an additional power amplifier or surround sound processor without signal loss or degradation.

Three pairs of gold-plated, five-way speaker binding posts make it easy to connect multiple speakers. The remote trigger input mutes the amplifier when the preamp is turned off. Gain pots for each channel are accessible via the front panel.

FEATURES

- 150 WPC RMS into 2 Ohms
  100 WPC RMS into 4 Ohms
  60 WPC RMS into 8 Ohms
- Buffered line level outputs
- Remote trigger IN / OUT
- Only 1 rack-space high
- Rack ear included

SPECIFICATIONS

Power Output (RMS) per channel 150W @ 2 ohms
. . . . . 100 W @ 4 ohms
. . . . . 60W at 8 ohms

Frequency Response. . . . . 20Hz to 20kHz -.5dB

Full Power Bandwidth . . . . . 5Hz to 30kHz

Signal to Noise . . . . . >110dB (A-weighted)

Channel Separation . . . . . >70dB @ 1kHz

THD. . . . . < 0.03%

Intermodulation Distortion. . . . . .< -90dB

Voltage Gain (Av) 0 to 28, front panel adjustable

Input Impedance . . . . . .33k Ohms

Remote Trigger Input . . . . . 5-24V AC / DC

Trigger Loop Output. . . . . +12VDC @ 0.1A

AC Power Requirements. 120VAC, 440W

Current Draw . . . . . 3.7A @ 120VAC

Dimensions
(in.) 17 W x 2-1/4 H x 11 D
(mm) 432 W x 58 H x 280 D

Weight. . . . . 16 lbs/7.2 kg

Certifications: ETL® listed, CE

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Shed Some LIght.

Lighting control is a fundamental system in any integrated home. No system is used as often or relied upon more than lighting. ELAN Lighting by Pulseworx utilizes a super reliable, state-of-the-art powerline carrier system that eliminates all of the radio frequency problems associated with Zigbee and Z-Wave. The ELAN Lighting System is simple to install and configure, designed to be installed in standalone applications as well as integrated with g!, expands easily, and is cost effective.

Lighting Control

MULTI-BUTTON CONTROLLERS

6-BUTTON INWALL CONTROLLER
ORDER NO. KPCW6
FOLLOWED BY COLOR CODE

8-BUTTON INWALL CONTROLLER
ORDER NO. KPCW8
FOLLOWED BY COLOR CODE

6-BUTTON DESKTOP CONTROLLER
ORDER NO. KPDD6B

Use the keypad controllers to control a single light or multiple lights with one button. Program each button to trigger a different scene, control specific lights or your whole house. Lights will ramp to a desired brightness level at a rate from .8 seconds to 1 hour. Certain lights can dim slowly while others turn off instantly, all controlled with a press of a button. Each button is fully customizable to operate in one of 16 specific modes and will initiate commands when each pushbutton is tapped, double-tapped, held or released. Create the perfect ambiance.

FEATURES

- Pre-programmed to trigger 6 or 8 preset scenes with inviting light levels to create moods
- LED Presets individually configure which LED indicators will light up or turn off in response to as many as 16 different scenes.
- No lag time – just tap and the command is sent instantly!
- To temporarily lock the keypad to keep children or party guests from using the keypad – press and hold the middle four buttons to enable/disable lockout
- Adjustable LED brightness and backlighting permits nighttime viewing and status
- 6 button models accept IR commands which reproduces the buttons for true remote control from across the room
- Desktop version is simply plugged into your electrical outlet
- Available in 5 colors: White, Almond, Light Almond, Ivory, and Black (desktop model in Black only)

MULTI-BUTTON DIMMER / CONTROLLERS

CUSTOM KEYCAPS

ORDER NO. CEM6
For KPCW6, KPDD6, KPLD6

ORDER NO. CEM8
For KPCW8, KPLD8

6-BUTTON INWALL DIMMER / CONTROLLER
ORDER NO. KPLD6
FOLLOWED BY COLOR CODE

8-BUTTON INWALL DIMMER / CONTROLLER
ORDER NO. KPLD8
FOLLOWED BY COLOR CODE

The Keypad Load Dimmer is an all-in-one Keypad Controller and Light Dimmer in a single package giving you the functionality of a keypad and a 400W dimmer switch. Transmits and receives UPB® digital commands over the existing electrical wiring to remotely turn ON, OFF, and dim its own lighting load as well as trigger dramatic scenes throughout the home.

FEATURES

- Dual-purpose keypad/dimmer fits in a single gang location
- Allows a keypad to replace a light switch without losing the functionality of the light switch.
- The 400W rating can be configured to act as a dimmer or switch.
- Will control single lights, trigger dramatic scenes and/or send messages to a central controller
- Choose from 16 function modes for each button
- Buttons can be programmed to provide direct load control, other single devices or scenes
- Synchronized LED tracking of device & scene status
- Keys are backlit and adjustable to permit comfortable nighttime viewing
- Pre-programmed with 7 preset scenes with a light level to create inviting moods
- Available in 5 colors: White, Almond, Light Almond, Ivory, and Black

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DIMMERS & SWITCHES

STANDARD DIMMERS

USE ORDER NO. PLUS COLOR CODE

INDUCTIVE LOAD DIMMERS
ORDER NO WS1DL6/10/15/24

CFL/LED LOAD DIMMERS
ORDER NO WS1DL6/10/15/24

ELECTRONIC LV LOAD DIMMERS 300W
ORDER NO WS1E3

ELECTRONIC LV LOAD DIMMERS 500W
ORDER NO WS1E5

These dimmers replace existing switches or dimmers providing controlled lighting without new wires. The dimmers are compatible with incandescent, dimmable CFL, inductive and magnetic low voltage loads. Configured as a switch this device will switch standard fluorescent, electronic low voltage and relay loads. Available in wattages up to 2400 watts, our dimmers are one of the very few to dim over 1000 watts without an external interface. Each device can be a member of 16 scenes and act as a simple two button controller.

FEATURES

- Each unit can be a wdimmer, a relay switch or a two- button transmitter depending on its programming.
- May be used for stand-alone scene lighting control, or with a controller
- Pre-programmed with 7 preset scenes
- Variable fade rates for rocker switch operation and all scenes can be set between instant–on and one hour
- Programmable on-level with 100 Dimming Steps for elegant scene membership and notification of status
- Auto off timer allows the unit to turn off after a pre-set time from 1 minute to 4 hours
- Multi-colored LED to show status of load
- May be used in three-way circuits just add an RWS Remote Wall Switch
- Electronic Low Voltage (ELV)dimmers are compatible with and required for ELV transformers
- Adjustable Receive Sensitivity to maximize communication reliability
- Available in White (W), Ivory (I), Almond (A), Light Almond (LA), and Black (B)

LAMP & APPLIANCE MODULES

LAMP MODULE, 400W ORDER NO. LM14
APPLIANCE MODULE, 12A ORDER NO. AM112

The Lamp and Appliance Modules are perfect for remotely controlling one or more plug-in lamps and appliances. Simply plug the item to be controlled into the controlled outlet on the bottom of the module and then plug the module in the wall. A pass-through outlet allows plugging in other items that do not require remote control.

The LM14 Lamp Module is designed for controlling incandescent, fluorescent or magnetic low voltage loads, and provides as much as 400W of power to the lamp(s). The dimmer function can also be disabled, turning the outlets into a switch, allowing on/off commands to non-dimmable loads such as fans or radios. The AM112 Appliance Module will handle up to 12 Amps for ON/OFF control.

FEATURES

- Auto-off timer and transmit function allows the unit to turn off after a pre-set time from 1 minute to 4 hours from being turned on
- Switch trigger circuits allow the modules to turn on when the controlled device's on/off switch is opened and then closed and can update its status to other devices – great feature for reading lamps when you don't want to have to find a controller to turn the lamp on
- Transmission mode allows the modules to trigger scenes when they are manually turned on or upon the Auto-off time-out setting
- Pre-programmed with 7 preset scenes to create inviting moods and a flash feature for notification

FIXTURE MODULES

FIXTURE MODULE DIMMER ORDER NO. FMD24
FIXTURE RELAY MODULE, 20A ORDER NO. FMR120

The FMD24 2-Channel Fixture Module Dimmer is the ideal solution to controlling incandescent lights or fixtures that need to be individually controlled or are not currently wired to a dedicated wall switch location.

The FMR120 ideal solution for fluorescent lights, or other non-dimming loads (such as motors or transformers), that need to be individually controlled but are not currently wired to a dedicated wall switch location.

FEATURES

- Wires into electrical box or fixture canopy
- Controllable by an ELAN lighting controller
- Allows automation of ceiling fan / light locations

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INSTALLATION & SUPPORT DEVICES

LINE FILTERS

IN-LINE 1.8 AMP CHOKE FILTER ORDER NO. ILC
POWERLINE 3.8 AMP FILTER ORDER NO. PLF5
POWERLINE 15 AMP FILTER ORDER NO. PLF15

These items are designed to reduce/eliminate electrical noise or the attenuating effects of devices that could interfere with our communication signals. A few different types of ballasts, power supplies, power conditioners and motors can place unwanted noise on the powerline; these chokes and filters ensure reliable performance of your system. The ILC In-Line Choke is used on wire-in devices rated for 120 VAC devices that draw up to 1.8 Amps. The Plug-in 120 VAC PLF5 (3.8 A) and PLF15 (15A) filters plug in between the noisy offender and isolates them from the electrical wiring. The PLF15 has two outlets for plugging in multiple devices or power strips.

FEATURES

- Ensures reliable communication
- Blocks low frequency noise above 4 kHz
- Isolates attenuation effect of highly capacitive devices

COUPLERS & REPEATERS

COUPLERS

2-WIRE 120/240VAC ORDER NO. PPC1
PLUG-IN 3 PRONG NEMA 10-30P ORDER NO. PPC3
PLUG-IN 4 PRONG NEMA 14-30P ORDER NO. PPC4

REPEATERS

SPLIT PHASE REPEATER ORDER NO. SPR1
THREE PHASE REPEATER ORDER NO. TPR120

Phase couplers are designed to enhance the communication reliability of the system.

They provide a path for a signal generated on one phase, in a typical split-phase (single-phase) 240 VAC residential system to cross over to the other phase of the powerline. A PPC1 is recommended in each breaker panel in a home. If a 220V 3- or 4-prong receptacle is available use the PPC3 or PPC4.

In larger systems (homes over 5000 sq. ft) that have more than 3 electrical panels signal attenuation is a culprit that may reduce communication strength. The main purpose of the SPR1 is to increase the powerline communication reliability by taking the communications transmitted on one phase (leg) of the electrical system and repeating them on to the other phase (leg) at full strength.

For environments such as restaurants, apartment complexes, office buildings or across multiple electrical phases, the TPR120 is designed to deliver all the benefits on three-phase 120/208VAC Delta-Wye 60Hz power.

LIGHTING CONTROL PANEL

LIGHTING CONTROL PANEL ORDER NO. LCPU

The Lighting Control Panel provides ample room to house up to ten WS1D24, fifteen WS1D15/WS1D10, or twenty WS1D6 dimmers controlling a maximum of 20 individual circuits and delivering 24,000W or 18,000VA of power. A total of thirty three (½ X ¾ combo type) knockouts are provided on the top, bottom and back of the enclosure for simplified wiring.

The LCP is designed to be flush-mounted between two 16-inch center-to-center studs or surface-mounted on any flat surface. De-rating is not needed as all the heat generated by high-power lighting controls is properly dissipated.

FEATURES

- The cost to design, layout, construct, wire, and program a central-star system lighting system is greatly reduced
- Hinged Interior panel can swing out for easy access for wiring
- Door lock to prevent tampering13 knockouts (½ x ¾ combo type) on both the top and the bottom of the unit and 20 knockouts on the rear, for simple wiring
- Advanced heat dissipation, de-rating is not needed

POWERLINE INTERFACE MODULES

ORDER NO. PIMR (FOR RS-232)
ORDER NO. PIMU (FOR USB)

The PIM plugs into any standard 120VAC electrical outlet. The PIMR is an RS-232 serial interface that connects to any available COM port via a DB9 serial cable (included). The PIMU is a USB serial interface that connects to any available USB port. Software drivers allow the PIMU to emulate a serial PIM by taking over an available COM port.

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INSTALLATION & SUPPORT DEVICES continued

TIMED EVENT CONTROLLER

TIMED EVENT CONTROLLER ORDER NO. TEC

The Timed Event Controller is a high quality plug-in home automation controller capable of transmitting and receiving digital commands over the existing powerlines at preset times.

The TEC stores up to 20 individual timed events. Each event can be configured to occur, daily, during the work week, on weekends, on specific days of the week or on a specific day of the year. Event times can be specified as absolute times or relative to sunrise or sunset times (based on your geographic location). A Security Mode to randomly vary the event time each day within a user specified time window gives the home a lived in look.

FEATURES

- Stores up to 20 individual times events
- Security mode allows for random events
- Automatic Daylight Savings adjustment
- 10-year batteryback-up

INPUT CONTROL MODULE

INPUT CONTROL MODULE ORDER NO. ICM

The Input Control Module is a high quality plug-in home automation controller device designed to interface off-the-shelf low voltage or contact closure sensor devices. It provides two independent channels of general purpose isolated contact closure sensing inputs to activate single lights, trigger dramatic scenes, or send messages to a central controller.

FEATURES

- Quick and easy installation: simply plug the ICM into any standard wall outlet and wire the device to the sensor.
- Perfect for interfacing off-the-shelf motion sensors, light sensors, occupancy sensors, pressure mats, RF remote controls, etc

4-ZONE STARTER KIT

This great little package enables you to initially set up your lighting system and allow you to control 4 lighting zones in main areas in your home.

The keypads and wall switches are pre-programmed with 4 basic scenes. Spending less time on programming will allow you to start enjoying your ELAN Lighting system sooner. Changing the existing scenes are as simple as activating the scene, changing the lighting levels at the wall switches and tapping the scene button on the keypad five times. The Keypads can also receive IR commands to give you control from any learning remote.

KIT INCLUDES
(4) WS1D6W
(1) KPCW6W
(1) PIMR
(1) PPC1

4 -ZONE STARTER KIT ORDER NO. SPK4

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Speaker Cross Reference Chart

Core Brands offers the broadest selection of architectural and outdoor speakers in the industry. Please utilize this cross reference chart to find the most appropriate model to replace your ELAN Elios speakers.

ELAN Speaker Cross Reference Chart

Model Number	Description	Replacement Models		
		Sunfire	Niles	SpeakerCraft
E70C	Ceiling Speaker	n/a	n/a	CRS6 One
E71C	Ceiling Speaker	n/a	n/a	CRS6 Two
E72C	Ceiling Speaker	n/a	CM7MP	CRS6 Three
E73C	Ceiling Speaker	n/a	CM7PR	AIM8 Two
E74C	Ceiling Speaker	n/a	CM7HD	AIM8 Three
E75C	Ceiling Speaker	n/a	n/a	AIM8 Five
E72D	Ceiling Speaker - Dual Channel	n/a	CM7SI	AIM7 DT Three
E73D	Ceiling Speaker - Dual Channel	n/a	n/a	AIM8 DT One
E71W	Wall Speaker	n/a	MP6 w/o Brackets	AIM7 MT One
E72W	Wall Speaker	n/a	PR6 w/o Brackets	AIM7 MT Three
ES71C	Low Profile Ceiling Mount Speaker	n/a	CM7SD	n/a
E91C	Ceiling Speaker	n/a	CM8MP	n/a
E92C	Ceiling Speaker	n/a	CM8PR	n/a
E93C	Ceiling Speaker	n/a	CM8HD	n/a
E94C	Ceiling Speaker	n/a	DS8HD	n/a
E95C	Ceiling Speaker	n/a	DS8PR	n/a
E532W	In-Wall Speaker	n/a	HD5	AIM LCR5 One
E552W	In-Wall Speaker	n/a	n/a	AIM LCR5 Five
E752W	In-Wall Speaker	n/a	n/a	n/a
BKT7C	Rough In Bracket	n/a	NCB7C	6" Round Bracket
BKT7PC	Rough In Bracket	n/a	NCB7C	8" Round Bracket
BKT7W	Rough In Bracket	n/a	n/a	AIM7 MT Brackets
BKT9C	Rough In Bracket	n/a	NCB8C	n/a
BKT9PC	Rough In Bracket	n/a	NCB8C	n/a
BKT55W	Rough In Bracket	n/a	n/a	AIM LCR5 Brackets
BKT77W	Rough In Bracket	n/a	n/a	n/a
ES412b	On-Wall Speaker	Sunfire CRS3	n/a	n/a
ES412w	On-Wall Speaker	Sunfire CRS3	n/a	n/a
E650S	In-Wall Surround Speaker	n/a	n/a	AIM Cinema Dipole Five
OM525w	Outdoor Speaker	n/a	OS5.5	OE5 Three
OM650b	Outdoor Speaker	n/a	OS6.5	OE6 Three
OM650w	Outdoor Speaker	n/a	OS6.5	OE6 Three
OM650Sw	Outdoor Speaker	n/a	OS6.3SI	OE DT6 One
OE525b	Outdoor Speaker	n/a	OS5.3	OE5 One
OE525w	Outdoor Speaker	n/a	OS5.3	OE5 One
OE650w	Outdoor Speaker	n/a	OS6.3	OE6 One

Toolbox.

It's how your finish the last 5% of a project that determines its success. From properly terminated wiring to the correct color wall plates, details matter. ELAN offers a vast assortment of products to help you finish your project in a first rate manner, collect that final payment and most importantly get referrals.

SENSORS

PRECISION PANELS

POWER SUPPLIES

VOLUME CONTROLS

IR PRODUCTS

General Products

ELAN SENSE AUTOMATION SENSORS

Seven ways to add reliable power management and automation features to any system!

ELAN SENSE Automation Sensors detect the state of a device and communicate that state to the HC series controllers or to another system via the SIM2. ELAN SENSE sensors include the features you need most, like adjustable sensitivity and delay. When the project must absolutely work a certain way, these are the sensors you can count on.

AUDIO SENSOR

ORDER NO. AUDSENSOR

Detects line-level audio. Female-to-male RCA adaptor connects in-line between either the left or right line-level audio output of any source and an A/V controller or receiver. Features adjustable sensitivity and delay.

VIDEO SENSOR

ORDER NO. VIDSENSOR

Detects composite video signals. Female-to-male RCA adaptor connects in-line between the component (Y, Pr, or Pb) or composite video output of any source or its destination. Features adjustable sensitivity and delay.

CURRENT/MAGNETIC FIELD SENSOR

ORDER NO. CRSENSOR

Detects AC current in power cords, as well as the AC magnetic fields generated by motors, transformers, TV's, etc. The CRSENSOR has a unique clamping device that accommodates a wide variety of different sized AC power cords. The base of the clamping device is removable when magnetic field detection is desired. Features adjustable sensitivity and delay.

VOLTAGE SENSOR

ORDER NO. VTSENSOR

Detects AC or DC voltage from 9-24 Volts. A two-terminal barrier strip is used to connect voltage + and – conductors.

CONTACT CLOSURE SENSOR

ORDER NO. CTSENSOR

Detects dry contact relay closures. A two-terminal barrier strip is used to connect + and – conductors from relay devices.

LIGHT/LED SENSOR

ORDER NO. LTSENSOR

Detects TOSLINK (optional) signals, LEDs and even the displays of many A/V components. Red and Green filters (included) allow for the detection of bi-color LEDs found on many components. Features adjustable sensitivity and delay.

SIM2 SENSOR INTEGRATION MODULE

ORDER NO. SIM2

The SIM2 is a low-cost, simple automation solution designed to work seamlessly with ELAN SENSE Sensors. The SIM2 functions as a stand-alone four sensor input/two relay output module that provides dry contact closure or 12V output in response to sensor input status. Built-in relays respond to sensor triggers differently based on conditional logic "and / or" dip switch settings on the unit. This allows any ELAN SENSE automation sensor, or standard motion, driveway or door/window sensor, to intelligently trigger relays on the SIM2 based on the dip switch settings. The SIM2 is ideal for Home Theater automation applications, or any application that requires the use of automated triggering through the use of sensors.

SIM2 FEATURES

- Simple automation solution for ELAN SENSE Automation Sensors
- 4 sensor inputs (1 pair for ea. relay)
- 2 relay outputs which provide contact closure or 12 volts
- Conditional and/or logic dipswitches provide intelligent relay triggering
- No software programming required
- Mounts on any flat surface (mounting screws & adhesive backing strip incl.)
- Includes 12VDC, 2.1A Power Supply

SIM2 SPECIFICATIONS

Relays (x2)

Type	NO / NC closed contact relay
Max. Rated Load Switched by Relay	.5A @ 125VAC or 1A @ 24VDC

Sense Inputs (x4)

Connector	3.5 mm stereo jack
Tip	+5V power to sensor
Ring	Contact closure or ELAN SENSE open collector
Sleeve	.Ground
Power	5VDC @ 90mA
Power Requirements	12VDC, 2.1A
Connector Power Output	+12VDC @ 0.65A

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PRECISION PANELS

PF2 PRECISION PANEL FRAME

ORDER NO. PF2

- Frame & insert for installing two half-frame Precision Panels
- Blank half-frame plate & mounting screws (incl.)
- PBKT6P Rough-In Brackets avail in pkgs of 6
- The PF2 is required for the installation of all half-frame Precision Panels

Dimensions

Wall Cutout	Installed w / Frame
(in.) 8 W x 10-1/2 H	(in.) 9-3/4 W x 12 H
(mm) 204 W x 267 H	(mm) 248 W x 305 H

PPWM HEAD-END I/O PRECISION PANEL

ORDER NO. PPWM

- Connection point for rack-mount controller (HC6 / HC12)
- Provides connection point to IR outputs 7 -12
- Connects to PPIR, PPRM and PPIS
- Must use PF2 Mounting Frame (see this page)

HC4BKT HC4 BRACKET

ORDER NO. HC4BKT

- Easy and clean mounting for the HC4 System Controller.
- Fits ELAN Enclosures

PPSP POWER DISTRIBUTION WALL PLATE

ORDER NO. PPSP

- Supplies power for 3 (with PWR1) or 8 (with PWR4) in-wall panels
- PWR1 or PWR4 sold separately
- Single-gang Decora® design

PPVN VIA!NET DISTRIBUTION WALL PLATE

ORDER NO. PPVN

- Provides Power to Four TS2L's
- Provides Connection for IR from Four TS2L's
- Includes 16v Power Supply
- Single-gang Decora® design

PPRM ROOM IR OUT/SENSE RELAY WALL PLATE

ORDER NO. PPRM

- Connection point to distributer IR, sensor, relay, and serial or network
- Requires 2 Cat-5e to utilize all capabilities
- Easiest way to get connections from PPWM
- Single-gang Decora® design

PPIR ROOM IR TERMINATION WALL PLATE

ORDER NO. PPIR

- IR sensor connection point
- Serial or Ethernet pass-through
- 2 Cat-5e required for IR sensor and RS-232/Ethernet use
- Single-gang Decora® design

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POWER SUPPLIES

Many of the ELAN products that require external power supplies already have them included in the box. There are, however, other products where the type of power supply needed is determined by the system's configuration. ELAN makes a number of these power supplies available for separate purchase. The table below details their specifications and product-specific applications.

PWR3

PWR2

PWR4

PWR10

Catalog Order No.	Output Voltage	Max. Load Current	Max. Power Output	Output Connection	Type	Regulated	Input Voltage	Included With:	Also For Use With:
PWR1	16 VDC	1.5A	24W	⊖—◉—⊕	Switcher	YES	100 to 240VAC	PPVN, PPWM, CVWP, HR2	N/A
PWR2	12 VDC	200mA	2.4W	⊖—◉—⊕	Switcher	YES	100 to 240VAC	N/A	IRD4
PWR3	12 VDC	2.1A	25W	⊖—◉—⊕	Switcher	YES	100 to 240VAC	SIM2	IRD4
PWR4	16 VDC	4.3A	68W	DIN	Switcher	YES	100 to 240VAC	N/A	PPSP, SPP
PWR10	16 VDC	10A	160W	Binding Posts	Switcher	YES	100 to 240VAC	N/A	SPP
PWR12	12 VDC	2.1A	25W	⊕—◉—⊖	Switcher	YES	100 to 240VAC	PVSE	VSE2, PZ6

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Volume Control Cross Reference Chart

Core Brands offers the broadest selection of architectural and outdoor speakers in the industry. Please utilize this cross reference chart to find the most appropriate model to replace your ELAN volume controls.

ELAN Volume Control Cross Reference Chart

Model Number	Description	Replacement Models	
		Niles	SpeakerCraft
VSE2	Electronic Volume Control	n/a	n/a
VSOS	Stereo Volume Control with Override	n/a	n/a
VSS	Stereo Slider Volume Control	SVC100R	VLS60
VSR	Stereo Rotary Volume Control	VCS100R	VSI60
VSR35	Stereo Volume Control - 35 watt	VCS50R	VSI45
VMOS	Mono Volume Control with Override	n/a	n/a
VETK a / b / br / i / a / w	Color Kits for VSE2 - Almond / Black / Brown / Ivory / Light Almond / White	n/a	n/a
VSTK a / b / i / a / w	Color Kits for VSOS / VSS / VMOS - Almond / Black / Ivory / Light Almond / White	n/a	n/a
VRTKa	Color Kit for VSR/VSR35 - Almond	n/a	Included with VC
VRTKb	Color Kit for VSR/VSR35 - Black	Included with VC	ASM/PLS17000BK:Black
VRTKbr	Color Kit for VSR/VSR35 - Brown	n/a	n/a
VRTKi	Color Kit for VSR/VSR35 - Ivory	Included with VC	Included with VC
VRTKla	Color Kit for VSR/VSR35 - Light Almond	Included with VC	n/a
VRTKw	Color Kit for VSR/VSR35 - White	Included with VC	Included with VC
VWFKw	Weatherproof VC Flush-Mount Kit	WVC100E	VWS60
VWSKw	Weatherproof VC Surface-Mount Kit	n/a	n/a

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IR Products Cross Reference Chart

Core Brands offers the broadest selection of architectural and outdoor speakers in the industry. Please utilize this cross reference chart to find the most appropriate model to replace your ELAN infrared products.

ELAN IR Cross Reference Chart

Model Number	Description	Replacement Models	
		SpeakerCraft	Xantech
IRS1b	IR Sensor	IRC-2.0	Xantech DL85
IRS2b	IR Sensor	IRC-2.1	Xantech DL85
IRS3	IR Sensor	IRC-1.0	Xantech ML85
IRS4	IR Sensor	IRC-1.1	Xantech ML85
IRS5	IR Sensor	IRC-3.0	Xantech HL25
IRS7EP	Plasma/LCD IR Sensor	IRC-2P2.0	n/a
IRS8EP	Plasma/LCD IR Sensor	IRC-2P2.1	Xantech DL85/95
IRE1	IR Emitter	IRE-1.0	n/a
IRE1D	IR Emitter	IRE-2.0	Xantech 284D
IRE2	IR Emitter	IRE-3.0	Xantech 283D
IRE2D	IR Emitter	IRE-4.0	Xantech 286D
IRE3	IR Emitter	IRE-5.0	Xantech 39020
IRE4	IR Emitter	IRE-0.5	n/a
IRD2	IR Connecting Block	PT-1.0	Xantech CB20
IRD4	IR Connecting Block	AT-1.0	n/a
IRD10	IR Connecting Block	n/a	Xantech79144
IRDKIT	IR Kit	n/a	Xantech HL85K/DL85K
IRIC	IR Cable	n/a	Xantech 6017400
IRYC	IR Cable	SAC-1.0	n/a

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